

MEDICARE HOSPITAL MORTALITY INFORMATION

1987 • 1988 • 1989



Volume 25

TECHNICAL SUPPLEMENT

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## TECHNICAL SUPPLEMENT

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Secretary

U.S. Department of Health and Human Services

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Administrator

Health Care Financing Administration

The Health Care Financing Administration (HCFA) was established in March 1977 to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program, and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 59 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

FOREWORD

The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, has more than 33 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. This fourth annual release of Medicare hospital mortality information is a key element in our efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to what rate would have been predicted, given what we know about the characteristics of the patients admitted?" We expect this information to be used by hospital administrators, physicians, peer review organizations, Medicare beneficiaries, State survey and certification agencies and researchers. The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"--that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital.

The basic approach to analyzing hospital mortality information has remained unchanged for the past four years; however, since the last publication of mortality information in December 1989, we have made some significant changes both in our methodology and in the way we display the results of our analysis. This publication presents information for 30, 90, and 180 days post admission, as opposed to the single point of 30 days post admission used in all the previous publications. Also, we present values for an observed mortality rate, a predicted mortality rate and a standard deviation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed and approved by a panel of outside experts. The methodology used in arriving at the observed mortality rate, the predicted mortality rate and the standard deviation are briefly described in the Technical Appendix at the end of this volume and in more detail in a Technical Information Supplement.

We acknowledge the assistance we have received from the American Hospital Association--not only for providing the information detailing selected hospital characteristics but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to thoroughly review the data and to provide us with comments and suggestions. As before, we have published the comments we received from individual hospitals, associating them with the summary data for the appropriate institution. Over the years, these communications have proved very helpful in improving and refining the information included in this publication.

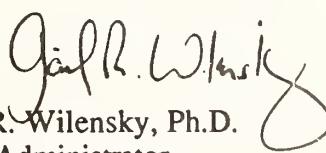

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INTRODUCTION

The intent of this Technical Supplement to the Medicare Hospital Mortality Information publication is to present material which will enable the reader to understand more fully how the tabular material, the 24 volumes of hospital-specific data, that forms the body of the publication was obtained and to place that material in a context that will facilitate its proper interpretation. The Introduction to Volumes 1 through 24 is presented as Appendix I of this Volume. Included in that material is a listing of which States are contained in each of the first 24 volumes.

The first two sections of this volume describe the theoretical basis of the methodology and details of its application to the calculation of probabilities of death following hospitalization (Section A) and of the probabilities of hospitalization for specific reasons and of death for any reason (Section B). They are followed by two sections which present, in a format similar to that used to describe the experience of patients at individual hospitals, the probabilities of death following hospitalization, hospitalization rates, and population-based mortality rates aggregated to the Metropolitan Statistical Area level (Section C) and similar data for States (Section D). Data included in Sections C and D are for Fiscal Year 1989 only, although the individual hospital mortality rates presented in the other 24 volumes cover Fiscal Years 1987, 1998 and 1989.

The additional data in the last two sections are provided because although analysis of mortality rates following admission to a hospital may provide insights into the effectiveness of the care provided by hospitals, it does not adequately characterize the effectiveness of the health care available to Medicare beneficiaries overall. Thus, policies pertaining to access to hospital care, available ambulatory care, and environmental factors may significantly affect the condition of the patients at the time of admission and, thereby, the risk of death thereafter. Because the overall objectives of the analytic efforts associated with the issuance of the Medicare Hospital Mortality Information are to describe and understand the experience of patients receiving care under the aegis of the Medicare program, it is necessary to characterize the patterns of admission and the overall mortality rates in the areas served by specific hospitals.

The material presented in the Technical Supplement in "hard copy" provides an overview of the data available for the characterization of patterns of hospital care and of one of its outcomes--death. Such data in electronic media permit assessment of these patterns and of their correlations to be obtained more flexibly and efficiently. Therefore, the material displayed in either the first 24 volumes or in this supplement, and additional data which present hospital-specific effects from the perspective of the hazard rate rather than the cumulative probability of death will also be made available on diskettes for personal computers or on tapes for mainframe computers.

For information on obtaining diskettes or tapes call Mrs. Sandra Kappert at (301)966-1133 or write to her at the following address:

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207



SECTION A

MORTALITY FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL



MORTALITY FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

For the mortality information reported in the body of this publication, this Technical Supplement describes the data sources, the estimation of patient mortality from the national data, the observed mortalities, and the estimate of the standard deviation for comparing the observed and the predicted mortalities.

This section of the Technical Supplement describes the methodology employed in the estimation of the postadmission mortality rates displayed in the body of this publication. It also presents in tabular form the values of the weights of the patient-specific risk factors that define the model for the prediction of the probability of death over time for individuals. Not given, but to be available in electronic form, will be the estimates of the hospital's influence on the probability of patient death, after adjustment for the patient-specific risk factors. These additional data summarize the differences between the observed and the predicted mortality rates for FY87, FY88 and FY89 given in the individual volumes of the current Medicare Hospital Mortality Information.

Data Sources

The data analyzed in this report are obtained from the MEDPAR file, which is derived from Medicare bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex and date of death, which are obtained from the Social Security Administration or the Railroad Retirement Board. The Bureau of Data Management and Strategy in HCFA updates the MEDPAR file segments quarterly. The most recent update as of July 1990 was used.

A data set was prepared from the MEDPAR files for each of three fiscal years: FY87, FY88, and FY89. Each data set contains a randomly selected hospitalization for each individual with one or more discharges within the fiscal year. The date of death was used to compute the survival time. If the date of death is within 182 days from the admission, then for purposes of analysis the date of death is used. Otherwise the date of death, whether known or not, is presumed to be more than 182 days from the admission date. If the date of death is on the last day of the month and not verified, then the date of death is presumed to be within the month and subsequent to date of discharge. The process of data management consisted of selecting acute care hospitalizations, calculating analytical variables (including those that required data from prior hospitalizations), and selecting, for each beneficiary, the random hospitalization with a discharge in FY87, FY88 or FY89. The following rules were used to select acute care hospitalizations:

- 1) Include only hospitalizations in short-term (general and specialty) hospitals. These hospitals have a 0 in the third position of their Medicare provider number.
- 2) Exclude hospitalizations in special cost centers. These centers are designated by a 9 in the fourth position of the Medicare provider number.

- 3) Exclude hospitalizations in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units. These units have special unit codes of S, T, U and V, respectively.
- 4) Eliminate hospitalizations where Medicare is the primary payer, the total charges are zero, and the covered days are zero, if that hospitalization duplicates or overlaps other hospitalizations for the beneficiary where the above conditions do not apply.

Most of the analytic variables were calculated directly from a single variable for one hospitalization. These variables are defined in later subsections of this Section. The counts of hospitalizations by level of risk in the six months prior to a selected hospitalization were calculated as follows:

- 1) For each beneficiary, sort the hospitalizations with discharges in the current or prior year in descending order by date of admission, date of discharge, discharge status (0 = alive, 1 = dead), and an indicator of discharge to a nonacute care facility (0 = no, 1 = yes).
- 2) For each hospitalization, use the principal diagnosis to determine the analytic diagnostic category, as defined in Table A-1 of this section, and the associated level of risk.
- 3) For a selected hospitalization with a discharge in the current year, count the number of hospitalizations by risk level within the 182 days prior to the date of admission for this last hospitalization.

Choosing a specific hospitalization avoids multiple counts of the same death within a fiscal year. Selecting the random hospitalization provides estimates of the probability of death that better represent the average experience than the alternative choices of the first or the last hospitalization.

Estimation of Patient Mortality

The model of the predicted mortality rate for a patient describes the dependence of the mortality rate upon explanatory variables. Each of the analytic diagnostic categories, described briefly in this section and more thoroughly in Appendix A and in Table A-1, was studied separately.

Mortality Rates

For these analyses, mortality was described by the time from admission to death. Patients alive 182 days after admission were withdrawn from the study (censored) at that time.

Analytic Categories

The analytic categories were created by grouping ICD-9-CM principal diagnosis codes that had similar raw mortality rates and clinical definitions. Five risk levels are defined: low, average, moderately severe, very severe and catastrophic. Within these risk

levels, codes were further grouped based on clinical similarities. The analytic categories and the groups of ICD-9-CM diagnosis codes that defined them are listed in Table A-1. Appendix A to this section explains how the analytic categories were constructed.

Display Conditions and Procedures Categories

For display, patients were grouped into the medically interesting condition and procedure categories defined in Table A-2.

Explanatory Variables

The explanatory variables are discussed in this section and listed in Table A-3.

Demographic Variables

Age and sex variables were used to characterize each patient. The patient's sex was coded as an indicator variable SX, which is 1 for females and 0 otherwise. Age difference from 65 years was scaled by dividing by 65 and then raised to the 1.72 power, with the sign of the scaled age preserved. This transformed age is called AGESP. The value 1.72 was estimated from a sample of 42,000 hospitalizations occurring in 1986. In order to prevent rarely encountered extreme ages from disproportionately influencing the impact of AGESP on mortality, ages less than 23 years were reset to 23 years, and ages greater than 100 years were reset to 100 years.

Comorbidity Variables

The four comorbidities used in the model are cancer (CCA), cardiovascular disease (CCV), liver disease (CLV) and renal disease (CRN). The ICD-9-CM codes defining these variables are listed in Table A-3.

Type and Source of Admission Variables

Data on the type and source of admission were captured by four indicator variables which were assigned default values of 0. If the type of admission was coded as an emergency, then the variable EMRG was set to 1. Emergency is defined in HCFA's billing procedures as "the patient required immediate medical intervention as a result of severe, life threatening or potentially disabling conditions." Similarly, if type of admission was coded as elective, then the variable ELCT was set to 1. Elective is defined as "the patient's condition permitted adequate time to schedule the availability of a suitable accommodation." If source of admission indicated that the patient was admitted based on the recommendation of his or her personal or HMO physician, then the variable PHRF was set to 1. Similarly, if source of admission indicated that the patient was transferred from a skilled nursing facility (SNF), then the variable TRSNF was set to 1.

Previous Hospitalization Variables

Hospitalizations in the six months prior to the hospitalization selected for analysis were counted by the levels of risk differentiated by the diagnostic categories. As indicated above, the analytic categories differentiate five levels of risk. The actual counts, five in number, were used in the models. In order to prevent rarely encountered values from having disproportionate influence, the number of previous low-risk hospitalizations, variable PALR, if greater than five was reset to five; the number of previous average-risk and moderately severe-risk hospitalizations, variables PAAR and PAMSR, respectively, if greater than three were reset to three; the number of previous very severe-risk hospitalizations, variable PAVSR, if greater than two was reset to two; and the number of previous catastrophic risk hospitalizations, variable PACR, if greater than one was reset to one.

Reason for Admission: ICD-9-CM Diagnosis Codes

A further refinement of the analytical model makes use of additional risk adjustment for the reason for admission or principal diagnosis.

The analysis consisted of a scan of the nearly 7500 principal diagnosis ICD-9-CM codes actually used in any one year and an evaluation of an additional risk allowance for the codes that had 1000 or more cases for a given year or were found to be statistically significant ($p < 0.01$). A fuller description of the process is presented below. For each ICD-9-CM included in our analysis, we estimated three parameters: one each for the associated initial excess risk, the persistence of the excess risk, and the long-term risk. Table A-4B in this section contains the coefficients of ICD-9-CM codes expressed as relative risks.

Conditions and Procedures Categories

Generally, the model with estimates for the coefficients of the principal diagnosis ICD-9-CM codes applies to any subset of the overall data. However, if additional information is provided by the choice of the subset, then the model will not be fully adequate without further estimation. For this reason, offsets (see below) to the intercept terms for the models were reestimated for each of the conditions and procedures used for display. This was done for each of the 17 analytic categories for each of the conditions or procedures to be displayed. Generally, the offsets were not significantly different from zero for the medical conditions. This is a consequence of the fact that conditions are defined by the principal diagnosis (ICD-9-CM code), and these codes were already incorporated into the model. The surgical procedure categories provide substantial additional information. Consequently, substantial offsets result when this additional information is provided.

Analytic Techniques

Mortality Model

Bailey's modification (Bailey, 1988) of the Makeham time-to-event model was used to ascertain the influence of patient explanatory variables (demographics, comorbidities, admission source and type, previous hospitalizations, reason for admission, and surgical categories) on the mortality rate. Analyses were performed by analytic category using all the patients in the category to ascertain the influence of patient characteristics on the mortality rate.

The mortality model specifies the probability $F(t)$ of death at time t from the admission to the hospital. $F(t)$ is the cumulative probability distribution function or the mortality function. One may also describe the complementary survival probability $S(t)$, which specifies the probability of surviving a period of time t . These probabilities are related as follows:

$$F(t) = 1 - S(t).$$

A common way of expressing these models is by means of the hazard function, also known as the force or mortality or risk function. The hazard is the rate of decreases in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = - \frac{1}{S(t)} \frac{dS(t)}{dt} = - \frac{d \ln(S(t))}{dt}.$$

The hazard function is related to the probability density function as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t .

The survival function for the modified Makeham model is

$$S(t) = \exp \left\{ -\delta t - \left(\frac{\alpha}{\gamma} \right) (1 - \exp(-\gamma t)) \right\}.$$

The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta.$$

The three structural parameters α , γ and δ in the hazard and survival functions are functions of the explanatory variables, where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \dots + \alpha_i x_i + \dots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \dots + \gamma_i x_i + \dots + \gamma_k x_k)$$

and

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \dots + \delta_i x_i + \dots + \delta_k x_k).$$

That is, the structural parameters α , γ , and δ are expressed in terms of the k concomitant or explanatory variables x_i and their associated component parameters α_i , γ_i , and δ_i for $i=1, 2, \dots, k$ and three intercepts or component parameters α_0 , γ_0 , and δ_0 .

The structural parameter δ is the long-term risk which is approached as $t \rightarrow \infty$. The structural parameter α is the initial excess risk which decays with rate constant γ . Mathematically, the half-life for the excess risk is

$$t_{\alpha/2} = - \frac{\ln(2)}{\gamma} .$$

Consequently, larger values for γ correspond to a more rapid approach to the long-term risk. In subsequent discussion, we will use the reciprocal of γ as a measure of the persistence of the initial excess risk.

The analytical model as described above was applied in each of the 17 analytic categories to the explanatory variables described above. The resulting estimates for the coefficients are displayed in Table A-4A along with the standard errors for these estimates.

Computation of Offsets to Measure the Influence of Additional Explanatory Factors

The impact of certain additional explanatory variables was evaluated with the following offset methodology. This technique was applied, in order, to the reason for admission, the display conditions and procedures, and the specific hospitals. These variables define groups of cases, so the estimation can be conducted on the corresponding subset of cases.

To be specific, let α'_i , γ'_i , and δ'_i denote the national estimates for the coefficients for all variables previously modeled so that

$$\alpha' = \exp(\alpha'_0 + \alpha'_1 x_1 + \dots + \alpha'_i x_i + \dots + \alpha'_k x_k)$$

$$\gamma' = \exp(\gamma'_0 + \gamma'_1 x_1 + \dots + \gamma'_i x_i + \dots + \gamma'_k x_k)$$

and

$$\delta' = \exp(\delta'_0 + \delta'_1 x_1 + \dots + \delta'_i x_i + \dots + \delta'_k x_k).$$

Then the additional component parameters α_{off} , γ_{off} and δ_{off} are estimated. The previously estimated parameters **are not reestimated**; i.e., they are held fixed. The structural parameters are now

$$\alpha'' = \exp(\alpha'_0 + \alpha'_1 x_1 + \dots + \alpha'_i x_i + \dots + \alpha'_k x_k + \alpha_{\text{off}})$$

$$\gamma'' = \exp(\gamma'_0 + \gamma'_1 x_1 + \dots + \gamma'_i x_i + \dots + \gamma'_k x_k + \gamma_{\text{off}})$$

and

$$\delta'' = \exp(\delta'_0 + \delta'_1 x_1 + \dots + \delta'_i x_i + \dots + \delta'_k x_k + \delta_{\text{off}}).$$

The *relative long-term risk* is $\exp(\delta_{\text{off}})$. If δ_{off} is zero, then the relative long-term risk is one and the group does not contribute to the long-term risk. In the same fashion, the *relative initial excess risk* is $\exp(\alpha_{\text{off}})$. The gamma offset component measures the time course of the initial excess risk. The *relative persistence of the initial excess risk* is $\exp(-\gamma_{\text{off}})$. Note the negative sign.

Estimates of the statistical significance of additional explanatory factors were obtained in the following manner:

Maximum likelihood estimates of the parameters of the mortality model are used. First, the core estimates are obtained for the national Medicare population in each analytic category. The loglikelihood LL' is computed for the cases in the group. The estimates from the core model are then held fixed, and the offset parameters are estimated for the cases within each group. The loglikelihood from the estimation of the offsets is LL'' .

Then the likelihood chi squared (see Appendix D) statistic is

$$X^2 = -2(LL' - LL'').$$

For each relative risk component, we compute a standard error of the estimate from the estimate of the standard error of the component parameter estimates. The standard error of the component parameter estimates are obtained using standard techniques from the estimated covariance matrix by taking the matrix inverse of the information matrix used in the estimation. Since the displayed relative risk components are exponentiated as described above, the standard errors reported on the tables are obtained by the usual propagation of

errors formula. For example, the relative initial excess risk is

$$\mathcal{R}_\alpha = \alpha(\underline{x}'; \underline{\alpha}) / \alpha(\underline{x}; \underline{\alpha}) = \exp(\alpha_{\text{off}}),$$

and the standard error for \mathcal{R}_α is \mathcal{R}_α times the standard error of α_{off} . The same applies to the other relative risk estimates.

Note that, generally, an exponential transformation would be expected to move symmetrical limits to nonsymmetrical limits. However, in this case, the component estimates are generally fairly close to zero. Since

$$\exp(\Delta) \cong 1 + \Delta$$

when Δ is close to zero, the standard error of $\exp(\Delta)$ and Δ are essentially identical, and only minimal distortion is introduced by this transformation as it is used here.

Computations for hospitals and other locales such as states or metropolitan statistical areas have been performed using the methodology. A more complete description of the process is contained in Appendix E. Appendix F provides a comparison of the mortality model with the logistic regression.

Maximum Likelihood Estimation

An outline of the maximum likelihood estimation procedure is given in "A Proposal for the Analysis of Kidney Graft Survival" (Bailey, et al. 1977), and more fully in Bailey et al. (1976), Edwards (1972), Homer, et al. (1977).

In this analysis we used a followup period of 182 days. Consequently, at the time of 182 days we have the specific failure time for those beneficiaries who died within 182 days of the index admission. For others we only know that death occurs at some future time. First we formulate the loglikelihood, l_i , for each case. Then we form the loglikelihood to be maximized by summing each of the N individual loglikelihoods to obtain

$$LL(\underline{\alpha}, \underline{\gamma}, \underline{\delta}) = \sum_{i=1}^N l_i$$

where $\underline{\alpha}$, $\underline{\gamma}$, and $\underline{\delta}$ are vectors or lists of the component parameters which are to be estimated.

The loglikelihood for each still living case is given by

$$l_i = \log S(t_i)$$

where t_i is the duration of observation. When failure or loss occurs at t_i or soon thereafter,

we specify the loglikelihood of the event by

$$l_i = \log \{ S(t_i) - S(t_i + \Delta) \}$$

where $\{ S(t_i) - S(t_i + \Delta) \}$ is the probability of death in the interval Δ after the time t_i .

The time t_i is the length of time for which the individual is known to be alive. The increment of time, Δ , corresponds to the limits of resolution set by the observation technique. In $LL(\alpha, \gamma, \delta)$, each individual is represented by the appropriate form of the loglikelihood l_i . The resolution may be an interval of one day or one month and need not be the same for each case.

The likelihood approach for estimation of the modified Makeham was implemented by James P. Summe as a SAS[®] Procedure at the HCFA Data Center. A new implementation of the procedure in ANSI C code is under development for general use.

Estimation of the Standard Deviation for Predicted Mortality

This section describes the calculation of the the observed mortality rate, and the estimation of the "Standard Deviation for Predicted Mortality." Since this standard deviation is used as a benchmark for the observed mortality rate, it depends on the variance of the difference between the observed and predicted mortality rates, the residual. To use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small.

Mortality at the Hospital Level

The observed mortality rate for a hospital is

$$P = \frac{1}{n} \sum_{i=1}^n Y_i$$

where Y_i is 1 if there is a death and 0 if there is no death. The actual calculation is more complex when variable periods of follow-up are used. However, in this analysis the simpler estimate shown above is adequate because there is a followup of at least 182 days from the time of admission in all cases. For a fuller description of the lifetable methodology see "The LIFETEST Procedure," Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557.

The theoretical mortality rate Θ for a hospital is the average of the case-by-case probabilities θ_i as specified in the mortality model (see Appendix B). That is

$$\Theta = \frac{1}{n} \sum_{i=1}^n \theta_i$$

where n is the number of cases at a hospital and θ_i is the mortality rate for the i -th case.

The predicted mortality rate is

$$\hat{\Theta} = \frac{1}{n} \sum_{i=1}^n \hat{\theta}_i$$

where the estimate of θ_i is the mortality estimate for the i -th case.

Variance of the Residual

The variance of the residual

$$P - \hat{\Theta}$$

has four components:

- 1) V_1 the variance of the estimate of Θ
- 2) V_2 the binomial variance
- 3) V_3 the variation among hospitals not explained by the mortality regression models without the hospital-specific offset.
- 4) V_4 the variation not explained by the mortality regression models even with the hospital-specific offset.

Hence the variance $V = V_1 + V_2 + V_3 + V_4$.

The development of the variance of the observed mortality rate used the variation among hospitals that is not accounted for by the mortality regressions, which is based on classical arguments generally credited to W. H. R. A. Lexis (1875, 1877) and referred to in Chapter VI, pages 26-31, of C. V. L. Charlier (1947). See also Johnson and Kotz (1970), p. 78.

In Appendix C, we demonstrate that V_2 is the sum of two variance components.

Variance V_1 of the Estimate of Θ

The variance V_1 of the estimate of Θ is

$$V_1 = \text{Var}(\hat{\Theta}) = \frac{\mathbf{u}' \Sigma_{\Theta} \mathbf{u}}{(\mathbf{u}' \mathbf{u})^2}$$

where \mathbf{u}' is a vector of n ones or $(1, 1, \dots, 1)$ that is used to sum the case estimates of the probability of death to the hospital level, and Σ_{Θ} is the covariance matrix for the estimates of the probabilities of death by case.

This computationally intensive term was not included in this analysis because past experience has shown that it is negligible in comparison with V_2, V_3 .

Variance of the Observed Mortality Rate for a Hospital

The variance for the observed mortality rate P for a hospital is explained in Appendix C. This variance is $V_2 + V_3$.

The binomial variance is

$$V_2 = \frac{\hat{\Theta} (1 - \hat{\Theta})}{n}$$

The estimate of Θ is the hospital average over the estimates of patient mortality for each case.

The variation among hospitals that is not accounted for by the mortality model is

$$V_3 = \widehat{\text{Var}}(\Theta) = \left(1 - \frac{1}{n}\right) \widehat{M_2}(\Theta)$$

where

$$\widehat{M_2}(\Theta) = \left\| \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{array} \right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{array} \right) \right\|^2 \left(\frac{1}{z_p^2} \right)$$

The quantity z_p corresponds to the statistical significance (p-value) of the hospital-specific effect.

To compute z_p , we use the loglikelihood chi squared statistic for the hospital offset. When the p-value or probability of a value greater than this chi squared statistic is less than 50 percent (assuming no offset), z_p is the value from the normal probability distribution

with probability p in the tails of the normal distribution. When the p -value for the chi squared statistic is greater than 50 percent, the calculation used 50 percent. This avoids obtaining very small values of z_p which result in excessively large standard deviation estimates, possibly greater than 100 percent.

Variance of the Difference between Observed Mortality Rate for a Hospital and the Predicted Mortality Rate for the Hospital with the Hospital-Specific Offset

To take direct account of the difference between the observed and the predicted mortality with the hospital-specific offset, we use the variance component

$$V_4 = \left\{ \left(\text{Observed mortality} \right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2$$

Generally this term was negligible.

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APPENDIX A

ANALYTIC DIAGNOSTIC CATEGORIES

A raw mortality rate (number of deaths within an ICD-9-CM diagnosis code within 30 days of admission divided by the number of individuals with the ICD-9-CM diagnosis code) was calculated for each diagnosis code using all the 1985 and 1986 discharges for the 5 percent sample of Medicare beneficiaries. Where data were insufficient to accurately estimate a mortality rate (i. e., generally fewer than 20 individuals within a code), clinically related codes were combined by coalescing subdivisions of clinical categories. For example, where the diagnosis code had a fifth-digit level, the cases within the fifth-digit classification were aggregated to the fourth-digit level. If there were still too few cases, they were aggregated to the three-digit category level. Finally, if cases within a three-digit category level were considered too few (<50 to 100 cases), the three-digit ICD-9-CM diagnosis codes were aggregated by combining the clinically related codes as listed in the ICD-9-CM Volume 1 Tabular List. In general, adjacent codes are clinically similar.

To improve the accuracy of the estimate of mortality, clinically related diagnoses were combined further if their mortality rates were not statistically significantly different. A chi square test was used to determine statistical differences between the mortality rates of these clinically related code groups. Adjacent codes were not combined if the mortality rates were different. Instead, certain codes within a clinical section (e. g., fractures of the upper and lower limbs—ICD-9-CM codes 810-829) were combined when appropriate. In this example, the ICD-9-CM codes for simple and compound fractures of the upper (or lower) limbs are adjacent, but the mortality rates are statistically different as indicated by the chi squared statistic. Therefore, combining simple and compound fractures of the same limb is not done. Although the codes for simple (or compound) fractures of the upper and lower limbs are not adjacent, the mortality rates are not significantly different. Therefore, cases within these clinical subsections of the ICD-9-CM Volume 1 Tabular List are combined to calculate a more stable mortality rate based on a larger number of cases.

Five levels of mortality risk were defined—low, average, moderately severe, very severe and catastrophic. The range of mortality rates was from 0.0 percent to 82.6 percent with a mean of 8.5 percent. The average risk group was defined using a range of 3.5 percentage points on either side of the mean of 8.5 percent, and all ICD-9-CM codes in that range were grouped together. This group contained approximately 20 percent of all cases. Mortality rates below 5.0 percent were considered low risk, and mortality rates above 12.0 percent were considered high risk.

Next, a catastrophic risk level was defined. Mortality rates of 50 percent or more were considered catastrophic, but the proportion of cases thus defined was very small (<1 percent). Review of codes with mortality rates between 40 percent and 50 percent showed that they were clinically similar to those with rates above 50 percent. Therefore, they were included in the catastrophic risk group, which then contained 1.3 percent of the cases.

Identification of these two risk levels resulted in a spread of 5 percentage points for the low risk group, a spread of 7 percentage points for the average risk group, a spread of 28 percentage points for moderate and severe risk, and a spread of 42 percentage points in the catastrophic risk group. It was decided to choose the final division point between the moderately severe and very severe risk groups at the 20 percent mortality rate. This resulted in a spread of 8 percentage points for the moderately severe risk group (approximately 17 percent of all patients) and a spread of 20 percentage points for the very

Review of the codes in these five large risk groups indicated that the codes could be grouped to make clinically similar groups within several of the levels. This created five clinically distinct low risk groups and one group for all other low risk diagnostic codes; three clinically distinct moderately severe risk groups and one group for all other moderately severe diagnostic risk codes; and four clinically distinct very severe risk groups and one group for all other very severe diagnostic codes. These final groupings of risk levels are shown in Table A-6 with the ranges of mortality rates for each group and the proportion of cases in the sample.

Finally, some diagnoses were moved from one risk group to another, based on clinical judgment. For example, if an ICD-9-CM code was in the average risk group and if it were clinically similar to a set of conditions in a clinically specific group, such as the low risk cardiopulmonary and circulatory disorders group, and the mortality rate was within 2 percentage points of the range for the clinically specific group, then the ICD-9-CM code was moved to the clinically specific group. However, groups were never moved into a new category for clinical reasons unless their mortality rates were within 2 percentage points of the new group's range of mortality.

APPENDIX B

AVERAGING NONLINEAR FUNCTIONS OF VARIABLES

Throughout our analyses, we have averaged results from cases—the unit of analysis—to form hospital estimates. With our mortality model, for example, it might be tempting to average the concomitant variables and use these in our model. If the model had been a linear regression function, then the results would be mathematically equivalent. However, it is easily demonstrated by example that this is not true of nonlinear models such as the logistic model or the mortality model.

The reason is easily seen by forming the Taylor series expansion of the average of the function about the average of the concomitant variables. In general, the formula for

$$\hat{g} = \frac{\sum_{i=1}^N p(X_i)}{N}$$

can be approximated by the Taylor series expansion about \bar{x} as

$$\hat{g} \approx p(\bar{X}) + \left(\frac{1}{2}\right) \sum_{X_m} \sum_{X_n} S_{mn} \frac{\partial^2 p(\bar{X})}{\partial X_m \partial X_n}.$$

Since the derivatives for a linear model are zero, the covariance correction does not enter.

However, for a more complex model which is a nonlinear function of the concomitant variables, the partial derivatives are not zero. For example, consider the logistic function

$$p(\bar{x}) = \frac{\exp\left(\sum_{i=1}^k \beta_i x_i\right)}{1 + \exp\left(\sum_{i=1}^k \beta_i x_i\right)}$$

Then the partial derivative ($\partial p / \partial X_m$) is

$$\frac{\partial p}{\partial X_m} = \beta_m p(1 - p)$$

And the second partial derivative is

$$\frac{\partial^2 p}{\partial X_m \partial X_n} = \beta_m \beta_n p(1 - p)(1 - 2p)$$

Since our mortality model can be expressed in this form for a specific time, it is clear that the second partial derivatives are not, in general, zero.

APPENDIX C

DEVELOPMENT OF THE FORMULAE FOR COMPUTATION OF THE STANDARD DEVIATION FOR HOSPITAL MORTALITY

Variance of the Mortality Rate for a Hospital

For a binomial random variable, x , with mortality rate Θ and n cases, the expected value of x , the number of deaths, is given by

$$E(x|\Theta) = n\Theta$$

and variance of x given by

$$\text{Var}(x|\Theta) = n\Theta(1 - \Theta)$$

Furthermore, to account for additional sources of variation other than the binomial variation, assume Θ has a distribution. In this case, the variance of the random variable x is given by the basic identity as given by Kendall, Stuart and Ord (1983), Section 39.36, page 212.

$$\text{Var}(x) = E_{\Theta}\{\text{Var}_{x|\Theta}(x)\} + \text{Var}_{\Theta}\{E_{x|\Theta}(x)\}.$$

From this, we find

$$\begin{aligned}\text{Var}(x) &= E_{\Theta}\{n\Theta(1 - \Theta)\} + \text{Var}_{\Theta}\{n\Theta\} \\ &= n E_{\Theta}\{\Theta(1 - E_{\Theta}\{\Theta\})\} + n(n - 1) \text{Var}_{\Theta}\{\Theta\}.\end{aligned}$$

From this it follows that

$$\text{Var}\left(\frac{x}{n}\right) = \frac{\text{Var}(x)}{n^2} = \frac{\xi(1 - \xi)}{n} + \left(1 - \frac{1}{n}\right) \text{Var}_{\Theta}(\Theta)$$

where

$$\xi = E_{\Theta}(\Theta)$$

as given by Mosimann (1962, equation 36). Note that the first term is the binomial variance. The second term measures the variation in mortality among hospitals that is not accounted for by the mortality model.

Next we turn to estimation of these components of variation. For a hospital, we estimate the hospital mortality rate by

$$\hat{\xi} = \widehat{E_{\Theta}(\Theta)} = \frac{1}{n} \sum_{i=1}^{n_j} \hat{\theta}_i = \hat{\Theta}$$

where the estimate of ξ is the hospital average over the estimates of patient mortality for each case. The component of variance V_2 is the binomial variance estimated by

$$\hat{V}_2 = \frac{\hat{\xi} (1 - \hat{\xi})}{n}$$

For the second term for the variance of Θ , we use for the estimate of the variation among hospitals that is not implicitly accounted for by the logistic regression model, or

$$\hat{V}_3 = \widehat{\text{Var}(\Theta)} = \left(1 - \frac{1}{n}\right) M_2(\Theta)$$

where $M_2(\Theta)$ is the second central moment of the distribution of Θ .

We obtained an estimate for $M_2(\Theta)$ from the chi squared statistic for the hospital-specific offset. This variance was obtained by matching the probability level for the chi squared statistic with the probability for the estimate of the expected standardized hospital residual.

Our development of the variance of the observed mortality is based on classical arguments generally credited to W. H. R. A. Lexis (1875, 1877) and discussed in Chapter VI, pages 26-31, of C. V. L. Charlier (1947). See also Johnson and Kotz (1970), p. 78.

Development of the Cornish-Fisher Adjustment for Mortality at Hospitals: An Extension of the Formulation of Lexis to the Third and Fourth Cumulants.

We know that the skewness of a binomial random variable x with probability Θ is proportional to $(1-\Theta) - \Theta$. Furthermore, the skewness becomes more important as the number of cases decreases. Our problem is Lexis's modification of the simpler binomial problem. To adjust for skewness, we employ the Fisher-Cornish adjustments. To apply the adjustments, expressions for the third and fourth moments of the distribution of hospital mortalities are developed as follows:

First, recall a few basic identities for the binomial distribution (Johnson and Kotz (1970) p. 51 or Kendall and Stuart (1970) p. 128).

$$E\{x|\Theta\} = n\Theta$$

$$\text{Var}\{x|\Theta\} = n\Theta(1-\Theta)$$

$$E\{(x-n\Theta)^3|\Theta\} = n\Theta(1-\Theta)[(1-\Theta)-\Theta]$$

$$E\{(x-n\Theta)^4|\Theta\} = 3(n\Theta(1-\Theta))^2 + n\Theta(1-\Theta)(1-6\Theta(1-\Theta)).$$

Also

$$E_{\Theta}\{E\{x|\Theta\}\} = n\xi$$

where

$$E_{\Theta}\{\Theta\} = \xi$$

Then

$$\begin{aligned} E\{[x - E\{x|\Theta\}]^3\} &= E_{\Theta}\{E\{[x - n\xi]^3|\Theta\}\} \\ &= E_{\Theta}\{E\{[(x - n\Theta) + n(\Theta - \xi)]^3|\Theta\}\} \end{aligned}$$

Expand the terms using the groupings of binomial terms indicated above and substitute the binomial expectations given above to obtain

$$E_{\Theta}\{n\Theta(1-\Theta)[(1-\Theta)-\Theta]\} + 3nE_{\Theta}\{n\Theta(1-\Theta)(\Theta-\xi)\} + n^3E_{\Theta}\{(\Theta-\xi)^3\}$$

This is rearranged to obtain $\mu_3(x)$:

$$\mu_3(x) = n(n-1)(n-2)M_3(\Theta) + 3n(n-1)(1-2\xi)M_2(\Theta) + n\xi(1-\xi)(1-2\xi)$$

where

$$M_r(\Theta) = E\{(\Theta - \xi)^r\}.$$

By definition the skewness for x is

$$\sqrt{\beta_1(x)} = \gamma_1(x) = \frac{\mu_3(x)}{\mu_2(x)^{3/2}}$$

We use

$$\mu_2(x) = n\xi(1-\xi) + n(n-1)M_2(\Theta)$$

Hence the skewness is

$$\sqrt{\beta_1(x)} = \frac{\left(1 - \frac{1}{n}\right)\left(1 - \frac{2}{n}\right) M_3(\Theta) + \frac{3}{n}\left(1 - \frac{1}{n}\right)(1 - 2\xi) M_2(\Theta) + \frac{\xi(1 - \xi)(1 - 2\xi)}{n^2}}{\left[\frac{\xi(1 - \xi)}{n} + \left[1 - \frac{1}{n}\right] M_2(\Theta)\right]^{3/2}}$$

The expressions we need for the cumulants of

$$p = \bar{x} = \frac{x}{n}$$

are easily determined from the properties of cumulants according to the following general expressions given in equation 9 on page 12 of E. J. Gumbel (1958):

$$\beta_1(\bar{x}) = \frac{\beta_1(x)}{n}$$

$$\beta_2(\bar{x}) - 3 = \frac{\beta_2(x) - 3}{n}.$$

The skewness, $\gamma_1(p) = \sqrt{\beta_1(p)}$, is the skewness of x divided by \sqrt{n} .

A similar approach is applied to compute the kurtosis $\beta_2(x) = \mu_4(x) / (\mu_2(x))^2$ where $\mu_4(x)$ is the fourth central moment and $\mu_2(x)$ is the second central moment or variance of x . That is,

$$\mu_2(x) = n \xi (1 - \xi) + n(n - 1) M_2(\Theta)$$

$$\mu_4(x) = a_4 M_4(\Theta) + a_3 M_3(\Theta) + a_2 M_2(\Theta) + a_0$$

where

$$a_4 = n(n - 1)(n - 2)(n - 3)$$

$$a_3 = 6n(n - 1)(n - 2)(1 - 2\xi)$$

$$a_2 = n(n - 1)(6n \xi (1 - \xi) + 36\xi(\xi - 1) + 7)$$

$$a_0 = n \xi (1 - \xi)(3n \xi (1 - \xi) - 6\xi(1 - \xi) + 1)$$

As noted above, the kurtosis for p is

$$\beta_2(p) = 3 + \frac{\beta_2(x) - 3}{n}$$

The Cornish-Fisher Adjustment

To apply the Cornish-Fisher adjustment, note that

$$\kappa_3 = \sqrt{\beta_1(p)} = \gamma_1(p)$$

and

$$\kappa_4 = \beta_2(p) - 3$$

The expansion as given by Johnson and Kotz (1970) on pages 33-34 gives the adjustment factor through the skewness (third cumulant) (CFCS) term as

$$\text{CFCS}(Z) = \frac{\kappa_3(Z^2 - 1)}{6}$$

The adjustment term CFC(Z) including terms through κ_4 is

$$\text{CFC}(Z) = \text{CFCS}(Z) + \text{CFCD}(Z)$$

where

$$\text{CFCD}(Z) = \frac{(Z^3 - 3Z) \kappa_4}{24} - \frac{(2Z^3 - 5Z) \kappa_3^2}{36}.$$

Adjustment for Skewness

A Cornish-Fisher adjustment, CFC(Z), can be applied to the standard normal limits; e. g., $Z = \pm 1.959964$ for the 95 percent interval. Even this adjustment may be inappropriate for small numbers of cases and extreme predicted mortality rates.

With the addition of the ICD-9-CM adjustments, the estimates of $M_3(\Theta)$ and $M_4(\Theta)$ are generally negligible. The factors given in the table of multiplicative factors for the calculation of the bound for prediction intervals were computed from these formulas with zero inserted in the equations for $M_2(\Theta)$, $M_3(\Theta)$, and $M_4(\Theta)$ to compute the skewness and kurtosis correction based solely on the binomial contributions.

Limits on the Prediction Interval

In the following, SD is the \sqrt{V} where V is the variance for the hospital based on the components as described above.

The limits on the interval are

$$P_L = \hat{\Theta} + (Z_- + \text{CFC}(Z_-)) \text{SD}$$

$$P_U = \hat{\Theta} + (Z_+ + \text{CFC}(Z_+)) \text{SD}$$

Note on a Standardized Residual

A standardized residual R can also be computed using the Cornish-Fisher expansion. The form appropriate to this calculation is

$$Z = R - \frac{(R^2 - 1) \kappa_3}{6} - \frac{(R^3 - 3) \kappa_4}{24} + \frac{(4R^3 - 7R) \kappa_3^2}{36}$$

where

$$R = \frac{\frac{\bar{x} - \hat{\Theta}}{\sqrt{V}}}{\sqrt{V}}$$

Note on Components of Variance in the Binomial Sampling Variance

This note demonstrates that the binomial variance consists of two components of variance within each category by hospital:

- 1) The sum of the Bernoulli variance for each case in the category, and
- 2) The variation among cases within the category.

The binomial sampling variance can be considered as two variance components. At the case level let θ_{ij} be the Bernoulli probability for the variable Y_{ij} , an indicator variable which is 1 for death and 0 otherwise. The variance

$$\text{Var}\left(\frac{Y_j}{n_j}\right) = \text{Var}\left(\frac{\sum_{i=1}^{n_j} Y_{ij}}{n_j}\right)$$

or

$$\text{Var}(\bar{Y}_j) = \frac{\sum_{i=1}^{n_j} \theta_{ij}(1 - \theta_{ij})}{n_j^2}$$

Note that

$$\begin{aligned} \frac{\bar{\theta}_j(1 - \bar{\theta}_j)}{n_j} &= \frac{n_j(\bar{\theta}_j - \bar{\theta}_j^2)}{n_j^2} = \frac{\sum_{i=1}^{n_j} \theta_{ij} - \sum_{i=1}^{n_j} \theta_{ij}^2 + \sum_{i=1}^{n_j} \theta_{ij}^2 - n_j \bar{\theta}_j^2}{n_j^2} \\ &= \frac{\sum_{i=1}^{n_j} \theta_{ij}(1 - \theta_{ij})}{n_j^2} + \frac{1}{n_j} \left\{ \frac{1}{n_j} \sum_{i=1}^{n_j} (\theta_{ij} - \bar{\theta}_j)^2 \right\} \end{aligned}$$

This demonstrates that the binomial variance includes components of variance for the Bernoulli variance and the within-category variance for the hospital.

APPENDIX D

THE LIKELIHOOD CHI SQUARED STATISTICS

A procedure for assessing whether concomitant variables are of any particular relevance for describing the data rests on general results available as a consequence of our maximum likelihood parameter estimation. Generally, we estimate the parameters of two models of which one is a special case of the other by the method of maximum likelihood. For example, if we use age as a concomitant variable, then the model without this concomitant variable may be regarded as a special case of the more general model with three parameters that are the coefficients of age each set equal to zero. The general form of the likelihood ratio test statistic T is obtained by evaluation of the maximized loglikelihood with and without the constraints of the hypothesis. If we denote by $LL(c)$ the maximized loglikelihood with constraints and by $LL(\sim c)$ the maximized loglikelihood without constraints, then the test statistic

$$T = 2(LL(\sim c) - LL(c))$$

is distributed as a χ^2 variable with degrees of freedom equal to the number of constraints. For example, assume $LL(c)$ when age is not included in the model is -6611.311, and $LL(\sim c)$ when age is included is -6601.934. Thus,

$$\begin{aligned} T &= 2(-6601.934 + 6611.311) \\ &= 2(9.377) \\ &= 18.75. \end{aligned}$$

Since constraining three age component parameters to be zero effectively leaves age out of the model, we use the chi squared distribution with three degrees of freedom to compute the

$$\Pr \{ \chi^2(3 \text{ d.f.}) > 18.75 \} = 0.0003.$$

Other variables, either one at a time or in combinations, might also be considered. It is particularly convenient that continuous variables such as age may be included in the analysis without the necessity of arbitrarily categorizing the data. Examples of other hypotheses are given in Bailey (1977).

APPENDIX E

DEVELOPMENT OF THE MORTALITY MODEL RATE

The following describes the steps in developing the mortality model.

- The survival model is developed for each of the 17 analytic categories and the variables used in last year's analysis.

There are three component parameters in the survival model for each variable—the α , γ , and δ components.

Components that are less than twice their respective standard error estimates were fixed to zero.

Several iterations for the fitting were required to eliminate insignificant components from each of the 17 models and to verify that variables excluded were not significant.

Once the FY88 models were established, they were used as the starting point for the FY87 and FY89 models.

Components not found to be significant were set to zero and the models rerun.

To check that none of the components set to zero might be important, we fixed the solid estimates at their best value and estimated the components that were previously set to zero. Any components that were found to be significant were reentered into the model.

When the models failed to converge, several diagnostics were used to identify the problem components. Often, one or more components would change substantially with essentially no change in the loglikelihood. These components generally could be set to zero. Occasionally, it is necessary to fix a component to zero when the estimates are very small after 20 iterations and convergence is not obtained. This is especially necessary when the likelihood surface is ill-determined, as becomes evident when examining the changes in likelihood as various steps are attempted in the iteration.

Once convergence is obtained, the fixed components are reevaluated, as noted, just to be sure the problems did not arise because the previous attempts failed to enter the region of convergence.

The results of the models are used to create three linear combinations of the concomitant variables for each case. There is a linear combination for each of the structural parameters in the survival model—that is, α , γ , and δ . This step facilitates the data processing.

For the offset methodology, models are run with all components except for the intercepts fixed for a subset of data. Each linear combination is treated as a variable in which the α component parameter of the α linear combination is 1 and the γ and δ component parameters are zero; the γ component parameter of the γ linear combination is 1 and the α and δ component parameters are zero; and the δ component parameter of the δ linear combination is 1 and the α and γ component parameters are zero. With these component parameters fixed or set to the values just described, the intercept α , intercept γ , and intercept δ estimates are the offset estimates, and the results are as if we have individually fixed each of the parameters used to compute the linear combinations. Note that the linear combinations come from the model associated with the analytic category for the case. However, once the linear combinations are formed, the model structure is identical for each category. This facilitates dealing with subsets of data which may span several analytic categories.

Each analytical model is checked by runs in which the estimates are fixed and the offset components are run for each analytic category. We confirm that the model is correctly coded for the next step by demonstrating that the offsets are numerically indistinguishable from zero.

- The α , γ , and δ risk components for ICD-9-CM codes are estimated to account for the principal diagnosis. Since there are nearly 7500 codes used in a given year, we used the offset strategy to obtain these estimates. With the analytical model fixed, an offset was computed for each of the ICD-9-CM codes with more than 50 cases and at least one death.

Estimates which had a likelihood chi squared value greater than 11.34 ($p < 0.01$) were retained as distinct codes when the number of cases was less than 1000.

When convergence failed, additional efforts such as using alternative starting values or fixing components were used to obtain estimates for when there 1000 or more cases associated with the code.

For the remaining codes within each analytic category, pooled estimates of the offsets were obtained. In this way, estimates were available for every code. For each case we used the ICD-9-CM component estimates as three variables to augment the models for each of the 17 analytic categories.

Linear combinations were constructed and offsets computed as a check on the model setup.

In this case, offsets will not be numerically zero when some ICD-9-CM risk components are fixed to zero. The offsets generally are not statistically significant.

The offsets are incorporated into the α , γ , and δ intercept terms.

This step completes the overall model which is used to obtain national estimates of the mortality rate for each hospital.

- If additional information is provided by the choice of the subset, then the model will not be fully adequate without further estimation. For this reason, the intercept terms for the models were reestimated for each of the conditions and procedures used in the display.

Intercept estimates were obtained by the offset strategy for each of the 17 analytic categories for each of the conditions or procedures to be displayed.

Generally, the offsets were not significantly different from zero for the conditions. This is a consequence of the fact that conditions are defined by the principal diagnosis (ICD-9-CM code), and these codes were already incorporated into the model.

The procedure codes represent substantial additional information. Consequently, it is no surprise that substantial offsets result when this additional information is provided.

- With each specific category or procedure model, hospital offsets are obtained to understand further the difference between observed and predicted mortality. The offset strategy is applied to the cases for each hospital. In this way, we resolve the hospital-specific contribution to mortality into three components—the hospital-specific initial excess risk, the persistence of the initial excess risk, and the long-term risk.
- The residual between the mortality rate observed and predicted with the hospital offset is a measure of the model failure for the specific hospital. Almost invariably this residual was very small.
- The various contributions to the model can be assessed by the changes in the loglikelihood. For this purpose we also run a reference model with no concomitant variables.

Then we show (Table A-6 and Figures A-1 and A-2) the increases in loglikelihood provided by the basic concomitant variables and the ICD-9-CM variables.

Furthermore, we also measure the consequence of adding the hospitals to the model.

This is a direct measure of the variation among hospitals not otherwise explained.

APPENDIX F

COMPARISON WITH LOGISTIC REGRESSION

The mortality model can be used to establish information comparable to that found from logistic regression. The logistic regression must focus on a specific time such as 30 days for analysis. With the mortality model, the time of death is used and the model can be used to construct the predicted probability of death for various times such as 30, 90, and 180 days.

For example, the probability θ that a patient dies within 30 days of admission is expressed in terms of variables that represent the patient's characteristics, represented by the vector $\mathbf{x}' = (x_0, x_1, \dots, x_k)$ of explanatory variables. (Note that $x_0=1$ corresponds to the intercept term(s)). The dependence of θ on the explanatory variables specified by the logistic model is

$$\log \frac{\theta}{1-\theta} = \sum_k \beta_k x_k = \beta' \mathbf{x}$$

The regression coefficients $\beta' = (\beta_0, \dots, \beta_k)$ are generally estimated by the method of maximum likelihood.

The estimate for the probability of death within 30 days for a patient is

$$\hat{\theta} = \frac{\exp(\hat{\beta}' \mathbf{x})}{1 + \exp(\hat{\beta}' \mathbf{x})}$$

With the mortality model, the regression coefficients and the patient's explanatory variables, represented by the vector $\mathbf{x}' = (x_0, x_1, \dots, x_k)$, are used to estimate the survival probability $S(t)$ for selected values of t . For $t=30$ days, the mortality probability is $1-S(30)$.

An alternative method of estimation for the logistic model makes use of the estimates from a general mortality model.

We establish the relationship between the mortality model and the logistic regression model by calculating estimates of the logistic regression coefficients in terms of the survival probability from the mortality model for a specific time. To obtain an estimate of the intercept, β_0 , estimate the survival probability with all x 's set to zero other than x_0 set=1 for the specific time. Then the log of the odds ratio $(1-S_0(t))/S_0(t)$ is an estimate of the corresponding logistic regression intercept β_0 .

To obtain an estimate of β_i , compute the survival probability, $S_i(t)$, for the specific time with x_i and $x_0 = 1$ and all other x 's zero. The natural logarithm of the odds ratio $(1-S_i(t))/S_i(t)$ is an estimate of $\beta_0 + \beta_i$. The estimate of β_i is obtained by subtracting the estimate for β_0 from $(1 - S_i(t))/S_i(t)$.

As a test of our model we made use of the expression just described. We have the ICD-9-CM and hospital-specific mortality model estimates for our mortality model. For each code or hospital we computed the projected estimate for the logistic regression coefficients.

Then we included these estimates as variables in logistic regression models. This made it possible to run the logistic model directly on all the variables for various levels of modeling which we describe as the core model, the core model plus ICD-9-CM codes, and the core plus ICD-9-CM and hospital-specific. For comparison of the contribution of each of the levels of modeling, we have graphically shown the Somer's Dyx statistic produced by the PROC LOGIST for the 30-day mortality for each of the 17 analytic categories. This is shown in Figure A-1. We repeated the logistic regression model on the log odds ratio for each level of modeling. The Somer's Dyx comparison for the direct run of the logistic regression with that on the log odds at 30 days (Figure A-2) shows the close agreement of the model fit via these two methods. The Somer's Dyx statistic is the rank correlation between the observed and predicted probability of death. It can be expressed as the difference between the number of concordant and discordant pairs relative to the number of pairs with different outcomes.

Table A-1

ANALYTIC DIAGNOSTIC CATEGORIES

CATEGORY	ICD-9-CM CODES
1. Low risk cardiopulmonary and circulatory disorders	390, 393, 401, 402.00, 402.10, 402.90, 405, 411 (except 411.0), 413-414, 417-420, 422, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433 (except 433.0), 435, 437.2, 442 (except 442.2), 447 (except 447.2), 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0, 460-478, 487 (except 487.0), 490-491, 493-495, 511.0, 518.2, 519.0-519.1
2. Low risk injuries and poisonings	800.0, 800.5, 801.0, 801.5, 802, 805 (except 805.0), 806 (except 806.0), 807 (except 807.0 and 807.4), 807.00-807.06, 808-819, 822-838, 839 (except 839.0), 840-848, 850, 854.0 (except 854.05), 861.2, 862, 867 (except 867.0 and 867.2), 870-874, 875.0, 876-887, 890-897, 905-932, 933.0, 935-940, 942 (except 942.3), 943-945, 947, 949-957, 958 (except 958.4), 959-963, 965.1, 965.5-965.7, 965.9, 966, 969-971, 972 (except 972.1), 973, 974 (except 974.1), 975 (except 975.7), 977-981, 984-986, 988, 992-993, 994 (except 994.1 and 994.7), 995, 996.0 (except 996.02), 996.2, 996.4-996.5, 996.7-996.9, 997.9, 998 (except 998.2)
3. Low risk gastrointestinal and endocrine disorders	240-246, 250.0, 250.5-250.6, 250.8, 250.9, 252, 254, 255 (except 255.4), 256-258, 264-272, 274, 276.3, 276.8, 279 (except 279.1), 520-527, 528.2, 528.4, 528.6-528.9, 529, 530 (except 530.4 and 530.8), 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.8-537.9 (except 537.89), 540-543, 550, 552-556, 558 (except 558.2), 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574 (only when 5th digit = 0), 575 (except 575.4 and 575.8), 576.0, 576.9, 577.1, 577.9, 579

Table A-1: Analytic Diagnostic Categories

4. Low risk genitourinary and reproductive disorders	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596 (except 596.1 and 596.6), 597-598, 599 (except 599.0 and 599.6), 600-606, 607 (except 607.2), 608 (except 608.4), 610-618, 619 (except 619.1), 620-629, 630-648, 650-676
5. Low risk neuropsychiatric, sensory and musculoskeletal disorders	290-292, 293 (except 293.0), 294-309, 311-319, 330, 331 (except 331.0), 332-334, 337, 340, 342-343, 344 (except 344.0 and 344.1), 345 (except 345.3), 346-347, 348.0, 350-358, 360-389, 680-686, 690-698, 700-706, 707 (except 707.0), 708-709, 710 (except 710.1), 711-713, 714 (except 714.81), 715-739
6. Other low risk disorders	E-CODE, M-CODE, V01-V09, V11-V65 (except V58.0 and V58.8), V67-V82, 001-005, 007-009, 014-017, 020-026, 027 (except 027.0), 030, 032-033, 035, 037, 039, 041.0-041.2, 045, 049.8-049.9, 050-053, 055-057, 071-088, 090-111, 120-135, 137-139, 140, 143, 173-175, 180.0-180.1, 182, 188 (except 188.8 and 188.9), 190, 192 (except 192.2), 210-211, 212 (except 212.7), 213-224, 226-230, 231 (except 231.2), 232-236, 239.4-239.5, 239.9, 280 (except 280.0), 282, 740-744, 746-759, 780 (except 780.0), 781, 782.0-782.2, 782.6, 782.8-782.9, 783.1, 783.5-783.9, 784 (except 784.3 and 784.5), 785 (except 785.4 and 785.5), 786.2, 786.4-786.5, 786.7-786.9, 787 (except 787.2), 788.0-788.1, 788.3-788.4, 788.6-788.7, 789 (except 789.5), 790 (except 790.6 and 790.7), 793-796
7. Average risk disorders	V10, V58.0, V58.8, 006, 010-013, 031, 034, 041.3-041.9, 070.1, 070.3, 070.5, 070.9, 114-115, 136 (except 136.3), 142, 144-146, 152-154, 160-161, 162.0, 165, 170, 171.0, 171.2-171.4, 171.6-171.7, 172 (except 172.8), 180.8, 181, 184-187, 188.8-188.9, 189 (except 189.0), 193-194, 196.0, 196.3, 196.5-196.6, 196.9, 197.3, 198.2, 225,

Table A-1: Analytic Diagnostic Categories

7. Average risk disorders (continued)	238, 239.0-239.3, 239.7-239.8, 250.1, 250.4, 250.7, 251, 253, 255.4, 259, 275 (except 275.4), 276.1, 276.6-276.7, 276.9, 277 (except 277.3), 278, 280.0, 281, 283, 285, 286 (except 286.6), 287-289, 293.0, 310, 322-326, 331.0, 336, 344.0-344.1, 345.3, 349, 359, 391-392, 394-396, 398 (except 398.91), 402.01, 402.11, 402.91, 403-404, 410.7, 411.0, 412, 423.8-423.9, 424, 425.5, 425.7-425.9, 426.0, 426.9, 427.1, 429.0-429.3, 437 (except 437.2), 438, 440, 441.4, 441.9, 443, 444 (except 444.1), 446, 456.1, 456.21, 456.8, 457.2, 457.8, 459 (except 459.0 and 459.2), 480, 482.2, 483-484, 487.0, 492, 496, 506, 508 (except 508.0), 518.3, 518.8, 519.4, 519.8-519.9, 528.0-528.1, 528.3, 528.5, 531.0, 531.4, 532.0, 532.4, 533.0, 533.4, 534.0, 534.4, 537.0, 537.3-537.4, 537.89, 557 (except 557.0), 560.1, 560.3, 560.80-560.81, 560.9, 569.3, 569.8 (except 569.83), 571.0-571.1, 571.3-571.4, 572.0-572.1, 573, 574 (only when 5th digit = 1), 575.4, 575.8, 576.1-576.5, 577.0, 577.2, 577.8, 578 (except 578.0), 580-581, 587, 590.0, 590.2-590.3, 591, 593, 596.1, 596.6, 599.0, 599.6, 607.2, 608.4, 619.1, 714.81, 745, 782.3, 783.0, 783.2, 784.3, 784.5, 786.0-786.1, 786.3, 786.6, 787.2, 788.2, 788.5, 788.8-788.9, 790.6-790.7, 791-792, 798, 799.8-799.9, 803.0, 803.5, 805.0, 807.07-807.09, 820-821, 839.0, 860, 863, 865-866, 867.0, 867.2, 900, 903-904, 934.0-934.1, 941, 942.3, 946.0-946.2, 948.0-948.3, 964, 965.0, 965.4, 965.8, 967-968, 972.1, 974.1, 975.7, 976, 982-983, 987, 989, 996.1, 996.3, 996.6, 997 (except 997.9), 998.2, 999
8. Moderately severe cardiopulmonary and circulatory disorders	398.91, 415-416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 432.1, 434, 436, 441.2, 442.2, 452, 453.0, 453.2-453.3, 458 (except 458.0), 459.0, 459.2, 481, 482.3, 482.9, 485-486, 500-505, 510.9, 511 (except 511.0), 512.8, 513-515, 517, 518.0-518.1, 518.4, 519.2-519.3
9. Moderately severe gastrointestinal and endocrine disorders	273, 276.5, 277.3, 530.4, 530.8, 551, 558.2, 560.0, 560.2, 560.89, 567, 572.3, 578.0

Table A-1: Analytic Diagnostic Categories

10. Moderately severe neoplastic diseases	141, 147-149, 158, 162.3-162.5, 179, 180.9, 183, 189.0, 191, 192.2, 198.1, 198.6-198.7, 198.82, 200-202, 207 (except 207.0), 212.7, 237, 239.6
11. Other moderately severe disorders	V66, 038.42, 040, 047-048, 049.0-049.1, 054, 060-066, 284, 335, 341, 348.3-348.4, 348.8-348.9, 585, 707.0, 710.1, 782.4-782.5, 782.7, 783.4, 785.4, 789.5, 797, 799.0, 799.2-799.4, 804, 806.0, 807.4, 851.0, 851.2, 851.4, 851.6, 851.8, 852.0, (except 852.05), 852.1 (except 852.15), 852.2 (except 852.25), 852.4-852.5, 853.0 (except 853.05), 853.1 (except 853.15), 861 (except 861.2), 864.0 (except 864.04), 864.1 (except 864.14), 933.1, 990, 996.02
12. Very severe cardiopulmonary and circulatory disorders	397, 410 (except 410.7), 421, 423.0-423.2, 433.0, 447.2, 456.0, 456.20, 482.0-482.1, 482.4, 482.8, 507, 508.0, 510.0, 512.0, 516, 518.5
13. Very severe gastrointestinal and endocrine disorders	250.2-250.3, 260-263, 275.4, 276.0, 276.2, 276.4, 279.1, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 569.83, 571.2, 571.5-571.6, 572.2, 576.8
14. Very severe infectious disorders	018, 027.0, 036, 038 (except 038.42), 042-044, 046, 112, 116-118, 136.3
15. Very severe neoplastic diseases	150-151, 156-157, 159, 162.2, 162.8-162.9, 163-164, 171.5, 171.8-171.9, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.6, 197.8, 198.0, 198.3-198.5, 198.81, 198.89, 203, 204 (except 204.0), 205 (except 205.0), 207.0, 208 (except 208.0), 231.2
16. Other very severe disorders	320-321, 348.2, 348.5, 584, 586, 760-779, 780.0, 783.3, 799.1, 800 (except 800.0 and 800.5), 801 (except 801.0 and 801.5), 854.05, 854.1, 868-869, 875.1, 934.8-934.9, 946.3-946.5, 958.4, 991, 994.1, 994.7

Table A-1: Analytic Diagnostic Categories

17. Catastrophic disorders	070.0, 070.2, 070.4, 070.6, 155, 172.8, 197.7, 199, 204.0, 205.0, 206, 208.0, 286.6, 348.1, 427.4-427.5, 430-431, 432 (except viral 432.1), 441.0-441.1, 441.3, 441.5, 444.1, 557.0, 570, 572.4, 572.8, 785.5, 803 (except 803.0 and 803.5), 851.1, 851.3, 851.5, 851.7, 851.9, 852.05, 852.15, 852.25, 852.3, 853.05, 853.15, 864.04, 864.14, 901-902, 948.4-948.9
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Table A-2

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation:

CONDITION/PROCEDURE	ICD-9-CM CODES
	(D) = DIAGNOSTIC CODE
	(P) = PROCEDURE CODE

Heart Disorders/Procedures:

Acute Myocardial Infarction (AMI)	410 (D) (exclude 410 with 5th digit of 2 after 10/1/89)
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Note: For code 410 a 5th digit was added on October 1, 1989

Congestive Heart Failure (CHF)	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
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Angioplasty (ANGPLSTY)	36.0 excluding 36.00, 36.03, 36.04, 36.09 (all P)
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Note: Code 36.0 had 4th digit added on October 1, 1986. Code 36.0 got digits of 0,1,2,3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into codes 36.01 and 36.05, and some cases from code 36.02 were put into code 36.05.

Coronary Artery Bypass Graft (CABG)	36.1 (P)
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Pacemaker Insertion, Initial (PACE)	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70—37.73) (all P)
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Note: Code 37.70 was restructured on October 1, 1987. Previously, the code contained both leads and devices. On October 1, these were separated and devices were coded as 37.80 through 37.83, and codes for the leads were changed into various 37.70 codes.

Table A-2: Diagnostic and Procedure Categories

CONDITION/PROCEDURE	ICD-9-CM CODES
	(D) = DIAGNOSTIC CODE
	(P) = PROCEDURE CODE
Pulmonary Disorders:	
Pneumonia/Influenza (PNU)	480-481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary Disease (COPD)	491-492; 494; 496; and 466.0, 518.5, 518.82, and 786.09 when there is a secondary diagnosis of any 496 (all D)
<i>Note: Code 518.8 got a 5th digit on October 1, 1987. Some cases from code 799.1 were put into codes 518.81 and 518.82.</i>	
Cerebrovascular Disorders/Procedures:	
Transient Cerebral Ischemia	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy—38.12 (P)—at the time of admission
Stroke (STK)	431, 434-434.9, 436 (all D)
Carotid Endarterectomy ENDART)	38.12 (P) with 433.1 (D), 433.3 (D) or 435 (D) as a principal diagnosis
Musculoskeletal Disorders/Procedures:	
Fracture of Neck of Femur (FXHIP)	820 (D)
Hip Replacement/Revision (HIPREP)	81.5, 81.6 (exclude 81.69) (81.51-81.53 after 10/1/89) (all P)
Open Reduction of Fractured Femur (OPRDUX)	79.35 (P) on condition of 820 (D) as principal diagnosis

Table A-2: Diagnostic and Procedure Categories

CONDITION/PROCEDURE	ICD-9-CM CODES (D) = DIAGNOSTIC CODE (P) = PROCEDURE CODE
Genitourinary Disorders/Procedures:	
Prostatectomy (PROS)	60.2, 60.3-60.69 (all P)
Hysterectomy (HYS)	68.3-68.7 (P)
Gastrointestinal Disorders/Procedures:	
Cholecystectomy (CHOLOTMY)	51.22 (P)
Sepsis	
Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038, 054.5 (all D)

Table A-3

**EXPLANATORY VARIABLES FOR
THE MORTALITY MODEL**

Generally the same variables are used for all diagnostic categories.

Demographics

$$AGESP = \text{sign}(W-65) \left(\frac{W-65}{65} \right)^{1.72}$$

where

$$W = \begin{cases} 23 & \text{if AGE} \leq 23 \\ \text{AGE} & \text{if } 23 < \text{AGE} < 100 \\ 100 & \text{if } 100 \leq \text{AGE} \end{cases}$$

SX An indicator variable = 1 if Female and 0 otherwise.

COMORBIDITIES (Indicator variables = 1 if comorbidity present and 0 otherwise)

ICD-9-CM Codes

CCA	Cancer	141-160.9, 162-172.9, 174-208.9
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1
CLV	Chronic liver disease	571-572.8
CRN	Chronic renal disease	582-583.9, 585-587

ADMISSION SOURCES AND TYPES (Indicator variables = 1 if source or type present and 0 otherwise)

PHRF	Patient referred by personal or HMO physician.
TRSNF	Patient transferred from skilled nursing facility.
ELCT	Patient admitted for elective procedure.
EMRG	Patient admitted for emergency.

PREVIOUS HOSPITALIZATIONS

PALR	Number at low risk, with 5 or more set to 5.
PAAR	Number at average risk, with 3 or more set to 3.
PAMSR	Number at moderately severe risk, with 3 or more set to 3.
PAVSR	Number at very severe risk, with 2 or more set to 2.
PACR	Number at catastrophic risk, with 1 or more set to 1.

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #1
J1 LOW RISK CARDIOPULMONARY AND CIRCULATORY

Explanatory Variables		1989			1988			1987		
		α	$-\gamma$	δ	α	$-\gamma$	δ	α	$-\gamma$	δ
INT	EST	-1.087	2.860	-2.858	-1.136	2.765	-2.789	-1.086	2.787	-2.801
	SE	0.022	0.030	0.018	0.022	0.033	0.018	0.025	0.030	0.021
AGESP	EST	2.983	-1.771	7.108	3.366	-1.494	7.169	3.251	-1.068	7.311
	SE	0.130	0.216	0.114	0.127	0.214	0.120	0.131	0.203	0.118
SX	EST	-0.223	0.000	-0.386	-0.224	0.000	-0.436	-0.268	0.000	-0.437
	SE	0.014	.	0.013	0.014	.	0.013	0.014	.	0.013
PREF	EST	-0.167	0.000	-0.079	-0.175	-0.074	-0.182	-0.159	0.000	-0.137
	SE	0.014	.	0.013	0.019	0.028	0.017	0.016	.	0.015
TRSNF	EST	0.355	-0.506	0.334	0.448	-0.309	0.414	0.465	-0.735	0.000
	SE	0.070	0.168	0.133	0.068	0.144	0.100	0.056	0.080	.
ELCT	EST	-0.196	0.000	-0.456	-0.156	0.136	-0.321	-0.126	0.094	-0.299
	SE	0.022	.	0.023	0.029	0.040	0.026	0.028	0.036	0.025
EMRG	EST	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.000	0.051
	SE	.	.	.	.	.	.	0.016	.	0.015
CCA	EST	1.089	-1.610	0.000	1.093	-1.536	0.000	1.053	-1.568	0.000
	SE	0.023	0.040	.	0.023	0.039	.	0.024	0.040	.
CCV	EST	0.456	0.290	0.191	0.528	0.363	0.218	0.509	0.298	0.216
	SE	0.019	0.029	0.016	0.019	0.029	0.017	0.019	0.029	0.016
CLV	EST	0.873	0.000	0.943	0.874	0.000	0.892	0.909	0.000	0.855
	SE	0.081	.	0.086	0.084	.	0.090	0.079	.	0.089
CRN	EST	0.450	-0.644	0.905	0.517	-0.661	0.884	0.565	-1.026	0.604
	SE	0.041	0.105	0.071	0.041	0.119	0.085	0.036	0.216	0.256
PALR	EST	0.024	-0.222	0.208	0.051	-0.177	0.204	0.052	-0.160	0.211
	SE	0.012	0.023	0.014	0.012	0.023	0.014	0.012	0.021	0.013
PAAR	EST	0.145	-0.583	0.483	0.164	-0.495	0.526	0.144	-0.451	0.549
	SE	0.021	0.059	0.037	0.021	0.057	0.032	0.022	0.062	0.032
PAMSR	EST	0.244	-1.330	0.000	0.248	-1.300	0.000	0.209	-1.352	0.000
	SE	0.013	0.033	.	0.013	0.032	.	0.013	0.033	.
PAVSR	EST	0.571	-0.211	0.411	0.606	-0.192	0.457	0.541	-0.236	0.465
	SE	0.025	0.047	0.041	0.025	0.045	0.038	0.025	0.047	0.039
PACR	EST	0.655	-0.964	0.000	0.721	-0.681	0.000	0.737	-0.696	0.000
	SE	0.078	0.137	.	0.084	0.136	.	0.084	0.139	.
Number of Cases		859,461			1,051,033			1,019,023		
Deaths (182 days)		251,858			82,088			80,669		
Chi-square		2,092,308			2,678,454			2,588,672		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #2
02 LOW RISK INJURIES AND POISONINGS

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST	-1.238	2.771	-3.107	-1.325	2.621	-3.067	-1.383	2.682	-3.065
	SE	0.033	0.042	0.033	0.035	0.051	0.034	0.040	0.044	0.033
AGESP	EST	3.214	0.000	8.586	3.627	0.000	8.224	3.271	0.000	8.739
	SE	0.148	.	0.147	0.167	.	0.154	0.158	.	0.145
S X	EST	-0.233	0.000	-0.477	-0.350	-0.138	-0.491	-0.244	0.000	-0.507
	SE	0.025	.	0.028	0.034	0.050	0.032	0.027	.	0.027
PREF	EST	-0.208	0.000	-0.119	-0.245	0.000	-0.119	-0.255	0.000	-0.079
	SE	0.026	.	0.028	0.028	.	0.028	0.030	.	0.028
TRSNF	EST	0.376	0.000	0.484	0.468	0.000	0.447	0.388	0.000	0.620
	SE	0.094	.	0.095	0.093	.	0.092	0.103	.	0.080
ELCT	EST	-0.355	0.000	-0.567	-0.567	0.000	-0.340	-0.268	0.000	-0.385
	SE	0.039	.	0.049	0.048	.	0.041	0.044	.	0.043
EMRG	EST	0.000	0.000	0.000	0.000	0.000	0.000	0.087	0.000	0.000
	SE	.	.	.	.	.	.	0.028	.	.
CCA	EST	1.094	-1.556	0.000	1.261	-1.338	0.000	1.209	-1.403	0.000
	SE	0.038	0.071	.	0.041	0.069	.	0.042	0.072	.
CCV	EST	0.720	0.197	0.508	1.012	0.357	0.440	0.880	0.195	0.417
	SE	0.034	0.055	0.033	0.038	0.056	0.033	0.039	0.059	0.033
CLV	EST	0.816	0.000	1.385	0.977	0.000	1.271	0.930	0.000	1.240
	SE	0.116	.	0.130	0.110	.	0.126	0.121	.	0.137
CRN	EST	0.559	-1.312	0.833	0.674	0.000	1.673	0.562	-1.328	0.994
	SE	0.050	0.127	0.180	0.060	.	0.045	0.061	0.135	0.156
PALR	EST	0.000	-0.276	0.160	0.000	-0.277	0.125	0.000	-0.276	0.134
	SE	.	0.045	0.039	.	0.045	0.037	.	0.044	0.038
PAAR	EST	0.123	-1.200	0.000	0.211	-0.435	0.463	0.157	-0.611	0.474
	SE	0.025	0.064	.	0.034	0.085	0.050	0.033	0.096	0.058
PAMSR	EST	0.275	-1.480	0.000	0.284	-1.241	0.000	0.298	-1.360	0.000
	SE	0.025	0.076	.	0.026	0.072	.	0.026	0.077	.
PAVSR	EST	0.533	-1.016	0.000	0.490	-1.155	0.000	0.540	-1.144	0.000
	SE	0.037	0.103	.	0.039	0.102	.	0.040	0.119	.
PACR	EST	0.815	-0.766	0.000	0.628	-1.134	0.000	0.904	-0.741	0.000
	SE	0.132	0.298	.	0.129	0.262	.	0.128	0.294	.
Number of Cases		304,741			313,111			311,429		
Deaths (182 days)		21,395			22,410			21,915		
Chi-square		799,516			819,338			816,620		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #3
03 LOW RISK GASTROINTESTINAL AND ENDOCRINE

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST	-1.426	2.755	-2.973	-1.424	2.690	-2.965	-1.498	2.719	-2.939
	SE	0.031	0.038	0.025	0.032	0.039	0.025	0.036	0.038	0.025
AGESP	EST	5.645	-4.361	3.254	6.100	-3.315	3.996	6.193	-3.007	4.467
	SE	0.178	0.290	0.228	0.173	0.263	0.220	0.176	0.289	0.219
S X	EST	-0.191	0.000	-0.229	-0.179	0.000	-0.200	-0.205	0.000	-0.205
	SE	0.021	.	0.020	0.021	.	0.020	0.022	.	0.019
PREF	EST	-0.260	0.000	-0.112	-0.358	-0.125	-0.134	-0.324	0.114	-0.168
	SE	0.022	.	0.022	0.028	0.037	0.026	0.030	0.038	0.025
TRSNF	EST	0.335	0.000	0.881	0.266	0.000	1.055	0.489	0.000	0.916
	SE	0.076	.	0.081	0.078	.	0.066	0.069	.	0.066
ELCT	EST	-0.614	0.000	-0.500	-0.703	0.000	-0.447	-0.620	0.000	-0.443
	SE	0.036	.	0.030	0.037	.	0.028	0.037	.	0.026
EMRG	EST	0.000	0.000	0.000	0.000	0.000	0.000	0.126	0.000	0.000
	SE	.	.	.	.	.	.	0.022	.	.
CCA	EST	0.708	0.000	2.261	0.643	0.000	2.225	0.732	0.000	2.187
	SE	0.071	.	0.031	0.073	.	0.031	0.073	.	0.031
CCV	EST	0.798	0.330	0.270	0.945	0.418	0.244	0.952	0.407	0.266
	SE	0.029	0.040	0.029	0.028	0.038	0.028	0.030	0.040	0.028
CLV	EST	1.024	0.000	0.913	1.219	0.000	0.679	1.126	0.000	0.918
	SE	0.067	.	0.064	0.058	.	0.073	0.066	.	0.063
CRN	EST	0.906	0.000	1.298	0.908	0.000	1.301	1.066	0.000	1.274
	SE	0.053	.	0.047	0.054	.	0.045	0.052	.	0.047
PALR	EST	0.000	-0.307	0.241	0.000	-0.264	0.252	0.000	-0.262	0.271
	SE	.	0.033	0.021	.	0.030	0.019	.	0.032	0.019
PAAR	EST	0.195	-0.629	0.318	0.175	-0.662	0.308	0.211	-0.657	0.266
	SE	0.030	0.064	0.041	0.032	0.066	0.039	0.030	0.059	0.039
PAMSR	EST	0.266	-1.137	0.408	0.324	-0.696	0.517	0.315	-0.733	0.494
	SE	0.026	0.076	0.050	0.031	0.067	0.039	0.030	0.070	0.039
PAVSR	EST	0.454	-0.619	0.655	0.317	-0.588	0.768	0.304	-0.488	0.795
	SE	0.056	0.111	0.045	0.063	0.115	0.040	0.066	0.114	0.040
PACR	EST	0.000	1.259	0.000	0.000	0.000	1.131	0.000	0.000	1.080
	SE	.	0.088	.	.	.	0.085	.	.	0.086
Number of Cases		559,710			586,657			591,256		
Deaths (182 days)		37,618			39,995			39,399		
Chi-square		1,482,972			1,550,698			1,570,700		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #4
04 LOW RISK GENITOURINARY AND REPRODUCTIVE

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST	-1.892	3.485	-3.454	-1.932	3.534	-3.450	-1.842	3.612	-3.272
	SE	0.057	0.111	0.048	0.053	0.085	0.048	0.050	0.081	0.040
AGESP	EST	3.380	-14.754	6.689	4.365	-18.532	3.161	3.701	-16.925	5.356
	SE	0.295	1.102	0.476	0.263	0.869	0.429	0.249	0.799	0.431
S X	EST	0.351	0.000	-0.427	0.265	0.000	-0.404	0.265	0.000	-0.380
	SE	0.038	.	0.044	0.036	.	0.052	0.032	.	0.041
PREF	EST	-0.312	0.557	-0.204	-0.378	0.000	-0.267	-0.314	0.000	-0.396
	SE	0.044	0.096	0.050	0.035	.	0.046	0.033	.	0.040
TRSNF	EST	0.000	-1.632	0.673	0.000	-2.598	0.626	0.000	-2.410	0.644
	SE	.	0.491	0.205	.	0.705	0.227	.	0.456	0.165
ELCT	EST	-0.822	0.000	-0.513	-0.641	0.563	-0.354	-0.711	0.483	-0.431
	SE	0.051	.	0.039	0.057	0.111	0.050	0.050	0.103	0.043
EMRG	EST	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SE	.	.	.	.	.	.	.	.	.
CCA	EST	0.983	-2.642	0.000	0.813	-1.563	1.409	0.951	-2.619	0.000
	SE	0.047	0.134	.	0.074	0.229	0.159	0.040	0.133	.
CCV	EST	0.441	0.000	0.491	0.501	0.000	0.445	0.460	0.000	0.596
	SE	0.039	.	0.040	0.039	.	0.050	0.034	.	0.040
CLV	EST	0.766	0.000	1.593	0.000	-1.814	1.640	0.000	-1.860	1.238
	SE	0.246	.	0.182	.	0.577	0.177	.	0.798	0.274
CRN	EST	0.454	0.000	1.503	0.654	0.000	1.397	0.340	0.000	1.756
	SE	0.110	.	0.075	0.093	.	0.092	0.105	.	0.066
PALR	EST	0.000	-0.334	0.389	0.000	-0.482	0.377	0.103	-0.370	0.281
	SE	.	0.118	0.040	.	0.109	0.042	0.028	0.085	0.040
PAAR	EST	0.248	-1.570	0.390	0.304	-1.351	0.474	0.243	-1.190	0.486
	SE	0.040	0.265	0.117	0.043	0.213	0.085	0.037	0.154	0.077
PAMSR	EST	0.412	-2.627	0.387	0.535	-2.172	0.450	0.553	-2.685	0.000
	SE	0.049	0.245	0.152	0.040	0.184	0.123	0.029	0.182	.
PAVSR	EST	0.695	-2.168	0.000	0.472	-1.673	0.944	0.696	-2.381	0.000
	SE	0.054	0.246	.	0.104	0.339	0.153	0.044	0.247	.
PACR	EST	0.928	-2.782	0.000	1.187	0.000	0.000	0.940	0.000	0.000
	SE	0.163	0.746	.	0.163	.	.	0.177	.	.
Number of Cases		330,109			347,479			355,495		
Deaths (182 days)		11,470			12,729			13,545		
Chi-square		963,352			1,009,170			1,028,218		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #5
05 LOW RISK NEUROPSYCHIATRIC, SENSORY & MUSCULOSKELETAL

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST SE	-1.733 0.029	2.437 0.046	-2.795 0.028	-1.551 0.029	2.607 0.046	-2.733 0.026	-1.685 0.029	2.317 0.046	-2.776 0.028
AGESP	EST SE	2.612 0.127	0.000 .	9.519 0.117	2.567 0.147	-1.605 0.283	9.108 0.132	2.937 0.142	0.848 0.222	9.731 0.128
S X	EST SE	-0.123 0.021	0.000 .	-0.619 0.020	-0.185 0.020	0.000 .	-0.628 0.019	-0.184 0.021	0.000 .	-0.643 0.019
PREF	EST SE	-0.204 0.026	0.116 0.055	-0.268 0.026	-0.225 0.025	0.150 0.052	-0.257 0.025	-0.258 0.026	0.146 0.053	-0.255 0.026
TRSNF	EST SE	0.410 0.068	-1.316 0.165	0.000 .	0.439 0.060	-1.279 0.141	0.000 .	0.472 0.063	-1.075 0.134	0.000 .
ELCT	EST SE	-0.454 0.037	0.323 0.060	-0.725 0.030	-0.518 0.039	0.208 0.057	-0.674 0.028	-0.450 0.034	0.245 0.058	-0.643 0.028
EMRG	EST SE	0.000 .	0.000 .	0.000 .	0.000 .	0.000 .	0.000 .	0.000 .	0.000 .	0.000 .
CCA	EST SE	1.803 0.028	-1.757 0.064	0.000 .	1.624 0.027	-1.888 0.066	0.000 .	1.739 0.029	-1.747 0.067	0.000 .
CCV	EST SE	0.526 0.023	0.000 .	0.340 0.022	0.531 0.022	0.000 .	0.372 0.021	0.606 0.024	0.000 .	0.362 0.022
CLV	EST SE	0.595 0.086	-0.892 0.288	0.697 0.236	0.638 0.087	-0.464 0.204	0.906 0.124	0.845 0.086	0.000 .	1.054 0.082
CRN	EST SE	1.086 0.041	-1.450 0.096	0.000 .	1.070 0.039	-1.664 0.101	0.000 .	1.165 0.041	-1.477 0.102	0.000 .
PALR	EST SE	0.000 .	-0.496 0.048	0.119 0.030	0.000 .	-0.473 0.049	0.099 0.033	0.000 .	-0.448 0.048	0.080 0.031
PAAR	EST SE	0.241 0.026	-1.193 0.115	0.318 0.067	0.282 0.020	-1.456 0.076	0.000 .	0.248 0.021	-1.381 0.083	0.000 .
PAMSR	EST SE	0.399 0.025	-1.777 0.130	0.458 0.063	0.421 0.023	-1.735 0.112	0.369 0.077	0.386 0.025	-1.296 0.115	0.580 0.055
PAVSR	EST SE	0.561 0.028	-1.729 0.174	0.000 .	0.557 0.027	-1.629 0.144	0.000 .	0.541 0.031	-1.114 0.180	0.597 0.112
PACR	EST SE	0.709 0.094	-1.809 0.426	0.000 .	0.941 0.088	-0.993 0.228	0.000 .	0.782 0.096	-1.358 0.370	0.000 .
Number of Cases		642,934			663,035			667,493		
Deaths (182 days)		36,359			38,050			37,553		
Chi-square		1,763,378			1,814,386			1,831,022		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #6
06 OTHER LOW RISK DISORDERS

Explanatory Variables		1989			1988			1987		
		α	$-\gamma$	δ	α	$-\gamma$	δ	α	$-\gamma$	δ
INT	EST	-1.492	3.027	-2.821	-1.368	3.216	-2.756	-1.364	3.076	-2.738
	SE	0.032	0.058	0.026	0.032	0.058	0.025	0.033	0.061	0.028
AGESP	EST	3.763	-10.823	0.000	3.250	-11.557	0.489	3.357	-10.803	0.839
	SE	0.152	0.368	.	0.153	0.354	0.167	0.159	0.354	0.181
S X	EST	-0.175	0.329	-0.527	-0.148	0.284	-0.541	-0.150	0.413	-0.436
	SE	0.023	0.046	0.022	0.023	0.046	0.022	0.024	0.047	0.024
PREF	EST	-0.204	-0.212	-0.223	-0.230	-0.284	-0.237	-0.164	-0.200	-0.226
	SE	0.024	0.045	0.025	0.024	0.044	0.025	0.025	0.046	0.026
TRSNF	EST	0.350	-1.375	0.000	0.502	-1.219	0.000	0.357	-1.362	0.000
	SE	0.063	0.209	.	0.060	0.187	.	0.061	0.181	.
ELCT	EST	-0.526	0.000	-0.242	-0.527	0.000	-0.253	-0.500	0.000	-0.362
	SE	0.030	.	0.024	0.029	.	0.023	0.029	.	0.024
EMRG	EST	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SE	.	.	.	.	.	.	.	.	.
CCA	EST	0.799	-0.488	2.474	0.775	-0.498	2.427	0.792	-0.529	2.373
	SE	0.034	0.085	0.033	0.035	0.084	0.035	0.036	0.091	0.038
CCV	EST	0.266	0.000	0.000	0.286	0.000	0.000	0.309	0.000	0.000
	SE	0.017	.	.	0.017	.	.	0.018	.	.
CLV	EST	0.735	-1.049	0.488	0.883	0.000	1.034	0.840	0.000	0.971
	SE	0.093	0.212	0.170	0.102	.	0.089	0.102	.	0.087
CRN	EST	0.695	-1.321	0.630	0.715	-1.105	0.776	0.767	-0.861	0.853
	SE	0.044	0.163	0.104	0.046	0.164	0.099	0.047	0.160	0.090
PALR	EST	-0.076	-0.930	0.044	-0.119	-0.920	0.075	-0.108	-0.975	0.073
	SE	0.014	0.042	0.011	0.015	0.039	0.010	0.016	0.043	0.011
PAAR	EST	0.234	-1.563	0.000	0.239	-1.357	0.000	0.207	-1.282	0.134
	SE	0.019	0.091	.	0.019	0.071	.	0.023	0.076	0.035
PAMSR	EST	0.446	-1.709	0.000	0.400	-1.918	0.000	0.383	-1.955	0.000
	SE	0.017	0.083	.	0.017	0.084	.	0.017	0.087	.
PAVSR	EST	0.379	-1.857	0.523	0.370	-2.066	0.488	0.348	-1.939	0.539
	SE	0.035	0.158	0.032	0.036	0.164	0.034	0.038	0.152	0.034
PACR	EST	0.000	-2.090	0.993	0.578	-2.017	0.783	0.560	-2.152	0.748
	SE	.	0.565	0.058	0.111	0.310	0.090	0.120	0.350	0.105
Number of Cases		526,654			536,866			511,423		
Deaths (182 days)		44,209			45,315			44,072		
Chi-square		1,348,152			1,372,066			1,300,684		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #7
07 AVERAGE RISK DISORDERS

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST	0.076	2.897	-2.108	0.029	2.837	-2.103	-0.167	2.808	-2.110
	SE	0.013	0.013	0.011	0.013	0.014	0.012	0.014	0.015	0.012
AGESP	EST	3.051	-1.638	3.903	3.203	-1.855	3.563	3.372	-1.834	3.833
	SE	0.059	0.085	0.077	0.059	0.087	0.081	0.063	0.096	0.087
S X	EST	-0.207	0.000	-0.152	-0.228	0.031	-0.118	-0.242	0.000	-0.157
	SE	0.008	.	0.009	0.010	0.013	0.011	0.008	.	0.009
PREF	EST	-0.319	-0.097	-0.118	-0.273	-0.058	-0.120	-0.241	-0.081	-0.131
	SE	0.011	0.014	0.011	0.011	0.014	0.011	0.012	0.015	0.012
TRSNF	EST	0.310	0.000	0.552	0.233	-0.139	0.468	0.288	0.000	0.549
	SE	0.024	.	0.026	0.029	0.042	0.037	0.024	.	0.025
ELCT	EST	-0.760	-0.148	-0.481	-0.728	-0.193	-0.456	-0.632	-0.190	-0.430
	SE	0.019	0.026	0.019	0.018	0.025	0.018	0.018	0.025	0.019
EMRG	EST	0.066	0.000	0.000	0.087	0.000	0.000	0.151	0.000	0.000
	SE	0.008	.	.	0.008	.	.	0.009	.	.
CCA	EST	0.722	-0.310	1.368	0.741	-0.226	1.408	0.785	-0.253	1.419
	SE	0.014	0.022	0.016	0.014	0.022	0.016	0.015	0.023	0.017
CCV	EST	0.778	0.247	0.181	0.819	0.277	0.199	0.859	0.320	0.195
	SE	0.010	0.013	0.011	0.010	0.013	0.011	0.011	0.014	0.012
CLV	EST	0.991	0.000	0.618	0.997	0.000	0.522	1.159	0.000	0.521
	SE	0.025	.	0.037	0.025	.	0.039	0.025	.	0.042
CRN	EST	0.580	-0.157	0.621	0.679	-0.103	0.688	0.753	-0.096	0.651
	SE	0.021	0.033	0.029	0.020	0.030	0.026	0.021	0.031	0.028
PALR	EST	0.000	-0.159	0.179	0.000	-0.134	0.190	0.000	-0.131	0.178
	SE	.	0.011	0.010	.	0.011	0.010	.	0.012	0.010
PAAR	EST	0.131	-0.234	0.335	0.113	-0.229	0.332	0.153	-0.177	0.371
	SE	0.010	0.017	0.013	0.010	0.017	0.012	0.011	0.017	0.012
PAMSR	EST	0.319	-1.180	0.533	0.293	-0.224	0.496	0.273	-0.275	0.487
	SE	0.012	0.019	0.013	0.012	0.019	0.014	0.013	0.021	0.016
PAVSR	EST	0.482	0.000	0.713	0.492	0.000	0.696	0.394	-0.188	0.684
	SE	0.015	.	0.015	0.014	.	0.014	0.020	0.032	0.020
PACR	EST	0.679	0.000	0.839	0.706	0.000	0.875	0.794	0.000	0.836
	SE	0.049	.	0.052	0.048	.	0.050	0.050	.	0.054
Number of Cases		1,288,391			1,285,858			1,221,749		
Deaths (182 days)		245,240			247,613			224,674		
Chi-square		633,876			2,405,398			2,341,388		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #8
08 MODERATELY SEVERE CARDIOPULMONARY AND CIRCULATORY

Explanatory Variables		1989			1988			1987		
		α	$-\gamma$	δ	α	$-\gamma$	δ	α	$-\gamma$	δ
INT	EST	0.834	3.081	-1.689	0.869	3.063	-1.683	0.902	3.071	-1.636
	SE	0.012	0.013	0.013	0.012	0.012	0.013	0.012	0.012	0.013
AGESP	EST	3.818	-0.972	3.897	4.006	-0.816	3.949	3.790	-0.908	3.888
	SE	0.054	0.068	0.063	0.053	0.066	0.062	0.054	0.068	0.063
S X	EST	-0.143	0.047	-0.210	-0.152	0.045	-0.198	-0.144	0.053	-0.210
	SE	0.009	0.011	0.010	0.009	0.011	0.010	0.009	0.011	0.010
PREF	EST	-0.180	-0.028	-0.029	-0.179	-0.048	-0.067	-0.212	-0.044	-0.068
	SE	0.010	0.012	0.011	0.010	0.012	0.011	0.010	0.012	0.011
TRSNF	EST	0.406	0.000	0.498	0.460	0.000	0.428	0.418	0.000	0.445
	SE	0.019	.	0.027	0.018	.	0.027	0.018	.	0.026
ELCT	EST	-0.277	-0.190	-0.149	-0.205	-0.062	0.000	-0.161	-0.103	-0.068
	SE	0.021	0.027	0.024	0.020	0.021	.	0.018	0.022	0.020
EMRG	EST	0.067	0.000	0.033	0.072	0.000	0.059	0.120	0.000	0.038
	SE	0.007	.	0.009	0.007	.	0.009	0.007	.	0.010
CCA	EST	0.615	-0.307	1.057	0.587	-0.256	1.094	0.599	-0.261	1.023
	SE	0.015	0.023	0.021	0.016	0.023	0.020	0.016	0.024	0.021
CCV	EST	0.290	0.082	0.122	0.329	0.114	0.127	0.322	0.115	0.154
	SE	0.009	0.011	0.010	0.009	0.011	0.010	0.009	0.011	0.010
CLV	EST	0.518	-0.176	0.490	0.538	-0.171	0.438	0.612	-0.136	0.471
	SE	0.045	0.057	0.060	0.043	0.056	0.063	0.042	0.052	0.060
CRN	EST	0.498	-0.133	0.529	0.546	-0.124	0.577	0.526	-0.196	0.539
	SE	0.018	0.024	0.023	0.017	0.023	0.023	0.017	0.024	0.025
PALR	EST	0.000	-0.094	0.117	0.000	-0.090	0.137	0.000	-0.088	0.110
	SE	.	0.009	0.011	.	0.009	0.010	.	0.009	0.010
PAAR	EST	0.168	-0.100	0.342	0.158	-0.117	0.307	0.151	-0.127	0.309
	SE	0.012	0.018	0.014	0.012	0.017	0.014	0.012	0.017	0.015
PAMSR	EST	0.114	-0.222	0.428	0.102	-0.232	0.425	0.122	-0.179	0.446
	SE	0.008	0.012	0.010	0.008	0.012	0.010	0.008	0.012	0.009
PAVSR	EST	0.334	-0.079	0.472	0.313	-0.100	0.489	0.297	-0.121	0.486
	SE	0.018	0.026	0.022	0.018	0.026	0.021	0.017	0.026	0.022
PACR	EST	0.652	0.000	0.477	0.615	0.000	0.565	0.546	0.000	0.576
	SE	0.045	.	0.070	0.045	.	0.066	0.046	.	0.065
Number of Cases		859,461			851,299			813,646		
Deaths (182 days)		251,858			258,485			250,688		
Chi-square		1,205,342			1,164,064			1,098,634		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #9
09 MODERATELY SEVERE GASTROINTESTINAL AND ENDOCRINE

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST	0.659	2.749	-1.831	0.583	2.655	-1.731	0.634	2.707	-1.675
	SE	0.029	0.033	0.038	0.030	0.034	0.035	0.028	0.028	0.035
AGESP	EST	2.718	-0.763	5.704	2.994	0.000	5.931	2.797	0.000	6.227
	SE	0.125	0.175	0.181	0.091	.	0.142	0.096	.	0.143
S X	EST	-0.280	0.000	-0.388	-0.273	0.000	-0.419	-0.265	0.000	-0.481
	SE	0.015	.	0.028	0.015	.	0.027	0.016	.	0.027
PREF	EST	-0.128	-0.082	-0.088	-0.112	-0.130	-0.191	-0.169	-0.123	-0.144
	SE	0.021	0.028	0.034	0.023	0.032	0.033	0.023	0.031	0.034
TRSNF	EST	0.000	-0.434	0.000	0.184	-0.423	0.000	0.276	-0.275	0.000
	SE	.	0.049	.	0.054	0.065	.	0.054	0.063	.
ELCT	EST	0.000	0.000	0.190	-0.139	0.000	0.000	-0.144	-0.135	-0.170
	SE	.	.	0.055	0.028	.	.	0.037	0.053	0.063
EMRG	EST	0.052	0.000	0.000	0.100	0.058	0.000	0.087	0.000	0.000
	SE	0.016	.	.	0.023	0.026	.	0.017	.	.
CCA	EST	1.117	-0.909	0.000	1.182	-0.802	0.000	1.167	-0.849	0.000
	SE	0.023	0.031	.	0.022	0.029	.	0.023	0.030	.
CCV	EST	0.636	0.363	0.288	0.680	0.397	0.282	0.741	0.484	0.294
	SE	0.023	0.032	0.035	0.023	0.032	0.034	0.025	0.034	0.034
CLV	EST	0.936	0.219	0.668	0.833	0.194	0.657	0.807	0.000	0.517
	SE	0.067	0.091	0.114	0.070	0.099	0.118	0.053	.	0.115
CRN	EST	0.509	0.164	0.566	0.456	0.132	0.464	0.359	0.000	0.477
	SE	0.043	0.060	0.058	0.041	0.060	0.060	0.033	.	0.050
PALR	EST	0.045	-0.157	0.077	-0.042	-0.133	0.134	-0.051	-0.201	0.000
	SE	0.016	0.028	0.036	0.016	0.028	0.036	0.016	0.023	.
PAAR	EST	0.000	-0.188	0.325	0.000	-0.251	0.295	0.063	-0.183	0.291
	SE	.	0.030	0.040	.	0.030	0.042	0.023	0.041	0.043
PAMSR	EST	0.112	-0.164	0.486	0.079	-0.303	0.311	0.057	-0.300	0.389
	SE	0.021	0.035	0.032	0.019	0.036	0.041	0.020	0.038	0.036
PAVSR	EST	0.237	-0.275	0.409	0.240	-0.262	0.515	0.246	-0.230	0.504
	SE	0.026	0.051	0.075	0.026	0.052	0.068	0.026	0.049	0.070
PACR	EST	0.479	-0.392	0.000	0.386	-0.347	0.000	0.338	-0.500	0.000
	SE	0.064	0.105	.	0.069	0.107	.	0.068	0.118	.
Number of Cases		107,823			108,696			100,809		
Deaths (182 days)		37,319			37,782			35,092		
Chi-square		137,504			136,844			127,042		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #10
10 MODERATELY SEVERE NEOPLASTIC DISEASES

Explanatory Variables		1989			1988			1987		
		α	$-\gamma$	δ	α	$-\gamma$	δ	α	$-\gamma$	δ
INT	EST	0.912	1.745	-0.918	0.941	1.624	-1.077	0.859	1.621	-1.043
	SE	0.023	0.045	0.064	0.026	0.047	0.074	0.031	0.047	0.069
AGESP	EST	3.261	0.000	4.777	2.505	0.922	6.039	2.574	0.734	6.236
	SE	0.191	.	0.386	0.206	0.278	0.399	0.209	0.295	0.354
S X	EST	-0.182	0.000	-0.217	-0.191	-0.203	-0.448	-0.209	-0.158	-0.382
	SE	0.020	.	0.037	0.024	0.044	0.055	0.024	0.045	0.053
PREF	EST	-0.489	0.000	0.000	-0.389	0.153	0.000	-0.355	0.117	0.000
	SE	0.019	.	.	0.025	0.035	.	0.026	0.034	.
TRSNF	EST	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SE	.	.	.	.	.	.	.	.	.
ELCT	EST	-1.075	0.000	-0.692	-1.216	0.000	-0.372	-1.033	0.000	-0.402
	SE	0.041	.	0.047	0.039	.	0.052	0.038	.	0.048
EMRG	EST	0.000	-0.396	-0.867	0.000	0.000	0.000	0.161	0.000	0.000
	SE	.	0.059	0.179	.	.	.	0.020	.	.
CCA	EST	0.561	0.000	0.765	0.549	0.000	0.700	0.550	0.000	0.732
	SE	0.020	.	0.037	0.022	.	0.037	0.023	.	0.037
CCV	EST	0.306	0.276	0.000	0.368	0.242	0.000	0.410	0.313	0.000
	SE	0.028	0.035	.	0.028	0.035	.	0.029	0.036	.
CLV	EST	1.070	0.586	0.000	0.913	0.503	0.000	0.718	0.000	0.000
	SE	0.103	0.123	.	0.109	0.129	.	0.068	.	.
CRN	EST	0.911	0.666	0.698	0.905	0.406	0.463	0.997	0.373	0.000
	SE	0.081	0.111	0.143	0.073	0.118	0.171	0.066	0.085	.
PALR	EST	0.137	0.000	0.119	0.119	0.000	0.109	0.116	0.000	0.109
	SE	0.017	.	0.034	0.018	.	0.033	0.019	.	0.033
PAAR	EST	0.269	0.000	0.000	0.261	0.000	0.000	0.236	0.000	0.000
	SE	0.023	.	.	0.023	.	.	0.023	.	.
PAMSR	EST	0.539	0.210	0.460	0.542	0.186	0.507	0.524	0.168	0.470
	SE	0.021	0.033	0.034	0.021	0.035	0.035	0.020	0.035	0.039
PAVSR	EST	0.603	0.350	0.705	0.594	0.237	0.691	0.604	0.292	0.638
	SE	0.042	0.072	0.069	0.042	0.073	0.075	0.040	0.080	0.081
PACR	EST	0.577	0.000	1.050	0.731	0.735	0.775	0.662	0.929	1.166
	SE	0.158	.	0.246	0.169	0.271	0.228	0.197	0.343	0.182
Number of Cases		70,423			71,987			72,006		
Deaths (182 days)		31,468			32,408			33,039		
Chi-square		60,628			61,216			59,772		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #11
11 OTHER MODERATELY SEVERE DISORDERS

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST	0.821	2.812	-1.745	0.790	2.817	-1.614	0.741	2.831	-1.471
	SE	0.030	0.038	0.045	0.036	0.038	0.036	0.036	0.035	0.041
AGESP	EST	2.920	-1.791	4.472	2.834	-2.186	3.535	2.780	-2.327	3.472
	SE	0.156	0.237	0.273	0.151	0.227	0.231	0.156	0.245	0.268
S X	EST	-0.232	0.000	-0.199	-0.316	0.000	0.000	-0.213	0.000	-0.155
	SE	0.023	.	0.036	0.019	.	.	0.022	.	0.034
PREF	EST	-0.379	-0.164	0.125	-0.299	-0.222	0.000	-0.303	-0.227	0.000
	SE	0.029	0.044	0.048	0.030	0.033	.	0.031	0.033	.
TRSNF	EST	-0.221	-0.713	0.000	-0.286	-0.762	0.000	-0.215	-0.633	0.000
	SE	0.066	0.086	.	0.062	0.083	.	0.060	0.077	.
ELCT	EST	-0.374	0.000	0.000	-0.463	-0.186	-0.126	-0.409	-0.337	-0.254
	SE	0.036	.	.	0.049	0.081	0.075	0.043	0.075	0.088
EMRG	EST	0.000	0.000	0.000	0.143	0.000	-0.087	0.204	0.000	-0.114
	SE	.	.	.	0.025	.	0.036	0.026	.	0.037
CCA	EST	0.593	-0.458	0.951	0.563	-0.209	1.201	0.574	-0.202	1.208
	SE	0.043	0.092	0.121	0.047	0.089	0.083	0.047	0.084	0.080
CCV	EST	0.567	0.239	0.216	0.644	0.228	0.137	0.602	0.188	0.154
	SE	0.029	0.042	0.049	0.028	0.041	0.049	0.028	0.042	0.054
CLV	EST	0.443	0.000	0.688	0.410	0.000	0.733	0.532	0.000	0.570
	SE	0.077	.	0.099	0.079	.	0.095	0.071	.	0.100
CRN	EST	0.496	0.000	0.383	0.477	0.000	0.313	0.586	0.000	0.271
	SE	0.047	.	0.082	0.044	.	0.075	0.042	.	0.078
PALR	EST	-0.066	0.286	0.000	-0.084	-0.170	0.118	0.000	-0.107	0.099
	SE	0.024	0.032	.	0.026	0.044	0.038	.	0.031	0.037
PAAR	EST	0.000	-0.320	0.169	0.000	-0.283	0.256	0.000	-0.280	0.172
	SE	.	0.049	0.071	.	0.045	0.054	.	0.047	0.066
PAMSR	EST	0.061	-0.484	0.179	0.062	-0.412	0.249	0.088	-0.316	0.236
	SE	0.023	0.046	0.067	0.024	0.043	0.050	0.023	0.041	0.052
PAVSR	EST	0.155	0.225	0.552	0.167	-0.343	0.439	0.138	-0.256	0.513
	SE	0.047	0.084	0.083	0.044	0.078	0.078	0.046	0.083	0.077
PACR	EST	0.563	0.000	0.597	0.565	0.000	0.000	0.377	0.000	0.757
	SE	0.119	.	0.206	0.092	.	.	0.130	.	0.148
Number of Cases		76,736			80,327			79,652		
Deaths (182 days)		23,432			25,822			25,845		
Chi-square		102,888			102,462			100,588		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #12
12 VERY SEVERE CARDIOPULMONARY AND CIRCULATORY

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST	1.943	3.645	-1.561	1.979	3.613	-1.577	2.066	3.673	-1.545
	SE	0.018	0.019	0.018	0.018	0.021	0.025	0.017	0.018	0.019
AGESP	EST	1.603	-2.689	4.783	1.490	-2.697	4.826	1.686	-2.348	5.003
	SE	0.078	0.095	0.116	0.075	0.089	0.117	0.075	0.088	0.121
S X	EST	0.143	0.123	-0.136	0.151	0.151	-0.124	0.127	0.124	-0.140
	SE	0.012	0.013	0.018	0.012	0.013	0.018	0.012	0.013	0.018
PREF	EST	-0.096	0.000	0.000	-0.069	0.035	-0.123	-0.110	0.000	-0.105
	SE	0.010	.	.	0.014	0.016	0.021	0.010	.	0.018
TRSNF	EST	-0.287	-0.478	0.528	-0.204	-0.431	0.484	-0.230	-0.444	0.445
	SE	0.040	0.058	0.062	0.037	0.051	0.058	0.037	0.052	0.058
ELCT	EST	-0.286	-0.148	-0.240	-0.288	-0.133	-0.087	-0.194	-0.087	-0.102
	SE	0.032	0.036	0.044	0.031	0.034	0.043	0.028	0.030	0.037
EMRG	EST	0.160	0.054	0.000	0.191	0.113	0.074	0.203	0.066	0.000
	SE	0.013	0.013	.	0.014	0.016	0.021	0.014	0.013	.
CCA	EST	0.000	-0.646	1.091	0.000	-0.584	1.088	0.000	-0.615	1.014
	SE	.	0.029	0.040	.	0.030	0.040	.	0.029	0.043
CCV	EST	0.535	0.196	-0.086	0.537	0.158	-0.060	0.474	0.121	-0.042
	SE	0.013	0.015	0.018	0.013	0.014	0.018	0.013	0.014	0.018
CLV	EST	0.000	-0.525	0.301	0.000	-0.460	0.277	0.000	-0.628	0.000
	SE	.	0.056	0.119	.	0.056	0.118	.	0.044	.
CRN	EST	0.261	-0.386	0.414	0.300	-0.332	0.537	0.208	-0.475	0.421
	SE	0.029	0.035	0.058	0.028	0.034	0.054	0.028	0.034	0.062
PALR	EST	-0.039	-0.136	0.233	-0.036	-0.126	0.197	0.000	-0.100	0.182
	SE	0.014	0.017	0.018	0.013	0.016	0.018	.	0.011	0.018
PAAR	EST	-0.098	-0.337	0.401	-0.081	-0.359	0.364	-0.108	-0.361	0.359
	SE	0.019	0.025	0.027	0.018	0.024	0.028	0.019	0.024	0.029
PAMSR	EST	-0.138	-0.499	0.422	-0.138	-0.493	0.433	-0.134	-0.470	0.493
	SE	0.016	0.022	0.025	0.016	0.022	0.025	0.016	0.023	0.024
PAVSR	EST	-0.207	-0.346	0.354	-0.167	-0.254	0.443	-0.143	-0.257	0.433
	SE	0.020	0.026	0.029	0.020	0.025	0.026	0.020	0.026	0.027
PACR	EST	0.000	-0.670	0.396	0.109	-0.336	0.931	0.000	-0.450	0.939
	SE	.	0.092	0.182	0.099	0.125	0.126	.	0.100	0.137
Number of Cases		247,209			246,497			242,289		
Deaths (182 days)		99,896			102,253			101,428		
Chi-square		321,770			319,472			316,738		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #13
13 VERY SEVERE GASTROINTESTINAL AND ENDOCRINE

Explanatory Variables		1989			1988			1987		
		α	$-\gamma$	δ	α	$-\gamma$	δ	α	$-\gamma$	δ
INT	EST	1.401	2.939	-1.388	1.400	2.976	-1.453	1.416	3.036	-1.353
	SE	0.035	0.034	0.045	0.035	0.032	0.043	0.036	0.033	0.040
AGESP	EST	2.575	-0.893	2.770	2.640	-0.542	3.577	2.458	-1.164	2.821
	SE	0.183	0.264	0.385	0.178	0.230	0.343	0.188	0.250	0.331
S X	EST	-0.216	0.000	-0.272	-0.224	0.000	-0.247	-0.157	0.000	-0.305
	SE	0.023	.	0.044	0.022	.	0.041	0.022	.	0.041
PREF	EST	-0.293	-0.193	0.000	-0.252	-0.161	0.000	-0.337	-0.189	0.000
	SE	0.032	0.032	.	0.031	0.032	.	0.033	0.034	.
TRSNF	EST	-0.204	0.000	0.575	0.000	0.000	0.421	0.000	0.000	0.344
	SE	0.086	.	0.103	.	.	0.094	.	.	0.100
ELCT	EST	-0.325	0.000	0.000	-0.358	-0.186	0.000	-0.436	-0.195	0.000
	SE	0.043	.	.	0.055	0.058	.	0.054	0.058	.
EMRG	EST	0.723	0.000	0.000	0.098	0.000	0.000	0.103	0.000	0.000
	SE	0.023	.	.	0.023	.	.	0.024	.	.
CCA	EST	0.619	-0.626	1.233	0.709	-0.548	1.021	0.685	-0.537	1.158
	SE	0.039	0.073	0.120	0.037	0.062	0.121	0.040	0.065	0.096
CCV	EST	0.521	0.232	0.120	0.554	0.242	0.239	0.562	0.203	0.117
	SE	0.033	0.042	0.058	0.032	0.040	0.054	0.033	0.041	0.056
CLV	EST	0.386	-0.318	0.312	0.423	-0.323	0.488	0.421	-0.547	0.000
	SE	0.038	0.058	0.102	0.037	0.055	0.090	0.036	0.040	.
CRN	EST	0.490	0.000	0.322	0.655	0.000	0.166	0.631	0.000	0.339
	SE	0.045	.	0.096	0.040	.	0.105	0.041	.	0.088
PALR	EST	0.000	-0.110	0.145	0.000	-0.135	0.000	0.000	0.000	0.191
	SE	.	0.036	0.059	.	0.021	.	.	.	0.030
PAAR	EST	0.000	-0.200	0.223	0.000	-0.220	0.160	0.000	-0.161	0.313
	SE	.	0.049	0.076	.	0.040	0.072	.	0.042	0.056
PAMSR	EST	0.000	-0.345	0.309	0.132	-0.189	0.367	0.000	-0.305	0.453
	SE	.	0.063	0.099	0.035	0.054	0.067	.	0.048	0.057
PAVSR	EST	0.000	-0.285	0.391	0.000	-0.224	0.506	0.000	-0.184	0.507
	SE	.	0.060	0.094	.	0.048	0.068	.	0.046	0.060
PACR	EST	0.552	-0.324	0.000	0.361	-0.622	0.000	0.286	-0.492	0.000
	SE	0.100	0.134	.	0.094	0.128	.	0.106	0.140	.
Number of Cases		43,721			44,455			43,370		
Deaths (182 days)		18,186			18,503			17,938		
Chi-square		44,104			45,932			45,006		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #14
14 VERY SEVERE INFECTIOUS DISORDERS

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST	1.837	3.355	-1.213	1.777	3.294	-1.205	1.771	3.234	-1.390
	SE	0.024	0.017	0.026	0.028	0.027	0.033	0.034	0.037	0.036
AGESP	EST	2.938	0.000	3.164	2.963	0.000	3.477	2.787	0.000	3.417
	SE	0.093	.	0.157	0.095	.	0.167	0.100	.	0.174
S X	EST	0.000	0.000	-0.116	0.085	0.105	-0.101	0.076	0.126	0.000
	SE	.	.	0.026	0.024	0.030	0.034	0.025	0.027	.
PREF	EST	-0.114	0.000	0.000	-0.098	0.000	-0.115	-0.169	-0.067	0.000
	SE	0.020	.	.	0.020	.	0.031	0.031	0.032	.
TRSNF	EST	0.094	0.000	0.374	0.092	0.000	0.361	0.094	0.000	0.325
	SE	0.041	.	0.062	0.041	.	0.061	0.039	.	0.061
ELCT	EST	-0.096	0.000	0.000	-0.139	0.000	0.000	-0.102	0.000	0.000
	SE	0.041	.	.	0.040	.	.	0.038	.	.
EMRG	EST	0.117	0.000	0.000	0.132	0.000	0.000	0.222	0.089	0.179
	SE	0.019	.	.	0.019	.	.	0.030	0.036	0.037
CCA	EST	0.304	0.000	1.037	0.235	-0.297	0.827	0.346	-0.179	0.916
	SE	0.026	.	0.034	.	0.037	0.050	0.038	0.058	0.053
CCV	EST	0.352	0.000	0.000	0.460	0.059	0.000	0.429	0.000	0.000
	SE	0.017	.	.	0.025	0.026	.	0.018	.	.
CLV	EST	0.585	0.000	0.593	0.502	-0.192	0.000	0.365	-0.320	0.000
	SE	0.058	.	0.103	0.075	0.079	.	0.079	0.086	.
CRN	EST	0.000	0.000	0.519	0.527	0.000	0.389	0.548	0.000	0.225
	SE	.	.	0.053	0.030	.	0.061	0.030	.	0.067
PALR	EST	-0.062	-0.193	0.000	-0.084	-0.193	0.000	-0.078	-0.171	0.130
	SE	0.021	0.023	.	0.021	0.024	.	0.023	0.032	0.031
PAAR	EST	0.000	-0.290	0.174	0.000	-0.257	0.301	0.000	-0.186	0.299
	SE	.	0.025	0.039	.	0.027	0.041	.	0.028	0.039
PAMSR	EST	0.000	-0.370	0.311	0.000	-0.312	0.360	0.000	-0.299	0.326
	SE	.	0.027	0.040	.	0.025	0.038	.	0.026	0.039
PAVSR	EST	-0.087	-0.402	0.369	-0.092	-0.345	0.414	-0.141	-0.370	0.351
	SE	0.033	0.049	0.047	0.034	0.056	0.055	0.035	0.055	0.054
PACR	EST	0.000	0.000	0.818	0.000	0.000	0.956	0.000	0.000	0.838
	SE	.	.	0.092	.	.	0.088	.	.	0.096
Number of Cases		60,342			56,125			50,885		
Deaths (182 days)		28,351			27,051			24,799		
Chi-square		57,492			53,898			47,902		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #15
15 VERY SEVERE NEOPLASTIC DISEASES

Explanatory Variables		1989			1988			1987		
		α	γ	δ	α	γ	δ	α	γ	δ
INT	EST	1.474	2.261	-0.207	1.513	2.304	-0.254	1.562	2.284	-0.287
	SE	0.020	0.035	0.037	0.020	0.037	0.036	0.020	0.040	0.042
AGESP	EST	1.623	0.000	2.550	1.597	0.000	2.259	1.448	0.000	2.281
	SE	0.123	.	0.221	0.120	.	0.206	0.126	.	0.203
S X	EST	-0.213	-0.299	-0.341	-0.254	-0.327	-0.313	-0.229	-0.211	-0.242
	SE	0.015	0.033	0.045	0.015	0.033	0.043	0.016	0.035	0.042
PREF	EST	-0.249	0.000	0.000	-0.281	-0.076	0.000	-0.292	-0.066	0.000
	SE	0.011	.	.	0.015	0.023	.	0.016	0.023	.
TRSNF	EST	0.175	0.000	0.000	0.166	0.000	0.326	0.146	0.000	0.000
	SE	0.054	.	.	0.078	.	0.144	0.055	.	.
ELCT	EST	-0.721	-0.200	-0.474	-0.785	-0.176	-0.350	-0.750	-0.182	-0.350
	SE	0.024	0.056	0.063	0.025	0.057	0.051	0.024	0.056	0.051
EMRG	EST	0.000	0.000	0.000	0.000	-0.069	0.000	0.000	-0.116	0.000
	SE	.	.	.	.	0.017	.	.	0.018	.
CCA	EST	0.275	-0.442	0.175	0.279	-0.393	0.273	0.236	-0.328	0.435
	SE	0.017	0.037	0.052	0.017	0.034	0.045	0.017	0.036	0.043
CCV	EST	0.312	0.230	0.000	0.353	0.212	0.000	0.371	0.230	0.000
	SE	0.018	0.024	.	0.018	0.024	.	0.018	0.025	.
CLV	EST	0.838	0.212	0.000	0.869	0.195	0.000	0.882	0.368	0.000
	SE	0.054	0.077	.	0.050	0.070	.	0.052	0.068	.
CRN	EST	0.715	0.228	0.000	0.711	0.235	0.000	0.719	0.126	0.000
	SE	0.048	0.064	.	0.047	0.061	.	0.044	0.060	.
PALR	EST	0.052	-0.188	0.000	0.061	-0.064	0.122	0.059	-0.089	0.099
	SE	0.011	0.021	.	0.013	0.026	0.029	0.013	0.026	0.031
PAAR	EST	0.152	-0.179	0.000	0.145	-0.122	0.000	0.172	-0.139	0.000
	SE	0.018	0.030	.	0.018	0.028	.	0.018	0.028	.
PAMSR	EST	0.309	0.000	0.323	0.372	0.000	0.249	0.301	0.000	0.305
	SE	0.018	.	0.038	0.016	.	0.035	0.017	.	0.032
PAVSR	EST	0.458	0.277	0.633	0.473	0.365	0.693	0.454	0.259	0.551
	SE	0.016	0.034	0.031	0.016	0.032	0.028	0.015	0.031	0.027
PACR	EST	0.608	0.000	0.000	0.740	0.000	0.000	0.521	0.000	0.421
	SE	0.041	.	.	0.040	.	.	0.062	.	0.133
Number of Cases		119,753			122,249			122,808		
Deaths (182 days)		80,019			81,683			82,201		
Chi-square		38,024			40,854			41,374		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

Analytical Category #16
16 OTHER VERY SEVERE DISORDERS

Explanatory Variables		1989			1988			1987		
		α	$-\gamma$	δ	α	$-\gamma$	δ	α	$-\gamma$	δ
INT	EST SE	2.023 0.032	3.350 0.032	-1.401 0.044	1.982 0.037	3.380 0.033	-1.339 0.041	2.093 0.029	3.316 0.024	-1.181 0.038
AGESP	EST SE	3.214 0.178	-0.516 0.195	3.617 0.276	3.147 0.178	-0.652 0.207	3.635 0.262	3.814 0.104	0.000 .	3.474 0.208
S X	EST SE	-0.131 0.023	0.000 .	-0.119 0.045	-0.127 0.022	0.000 .	-0.110 0.042	-0.143 0.018	0.000 .	-0.179 0.036
PREF	EST SE	-0.205 0.023	0.000 .	0.000 .	-0.159 0.024	0.000 .	0.000 .	-0.238 0.028	-0.127 0.032	-0.135 0.043
TRSNF	EST SE	0.192 0.062	0.000 .	0.000 .	0.000 .	0.000 .	0.565 0.092	0.201 0.051	0.000 .	0.351 0.101
ELCT	EST SE	-0.216 0.047	0.000 .	0.000 .	-0.203 0.047	0.000 .	0.000 .	-0.213 0.036	0.000 .	0.000 .
EMRG	EST SE	0.000 .	0.000 .	0.000 .	0.125 0.024	0.000 .	0.000 .	0.090 0.020	0.000 .	0.000 .
CCA	EST SE	0.351 0.046	-0.366 0.066	1.065 0.084	0.417 0.046	-0.279 0.067	1.027 0.078	0.547 0.037	-0.203 0.053	1.108 0.067
CCV	EST SE	0.370 0.032	-0.140 0.038	0.218 0.056	0.427 0.031	-0.113 0.037	0.197 0.051	0.250 0.026	-0.136 0.031	0.137 0.044
CLV	EST SE	0.837 0.072	0.000 .	0.000 .	0.756 0.077	0.000 .	0.000 .	0.751 0.064	0.000 .	0.000 .
CRN	EST SE	-0.364 0.054	-0.319 0.066	0.193 0.080	-0.244 0.052	-0.248 0.065	0.221 0.073	-0.262 0.041	-0.436 0.044	0.000 .
PALR	EST SE	0.000 .	-0.123 0.022	0.000 .	0.000 .	0.000 .	0.207 0.032	0.000 .	0.000 .	0.234 0.026
PAAR	EST SE	0.000 .	-0.273 0.034	0.177 0.069	0.000 .	-0.251 0.036	0.253 0.061	0.000 .	-0.193 0.031	0.317 0.049
PAMSR	EST SE	0.107 0.025	0.000 .	0.531 0.039	0.154 0.023	0.000 .	0.459 0.038	0.222 0.018	0.000 .	0.381 0.035
PAVSR	EST SE	0.000 .	-0.388 0.036	0.000 .	0.000 .	-0.416 0.035	0.000 .	0.000 .	-0.227 0.040	0.336 0.063
PACR	EST SE	0.607 0.106	0.000 .	0.000 .	0.516 0.126	0.000 .	0.776 0.212	0.456 0.102	0.000 .	0.571 0.218
Number of Cases		29,562			31,194			42,764		
Deaths (182 days)		13,924			15,176			21,823		
Chi-square		30,544			31,758			41,596		

Table A-4A: Mortality Model Regression Coefficients and Standard Errors

**Analytical Category #17
17 CATASTROPHIC DISORDERS**

Explanatory Variables		1989			1988			1987		
		<u>α</u>	<u>$-\gamma$</u>	<u>δ</u>	<u>α</u>	<u>$-\gamma$</u>	<u>δ</u>	<u>α</u>	<u>$-\gamma$</u>	<u>δ</u>
INT	EST SE	3.284 0.020	3.745 0.023	-0.853 0.024	3.224 0.020	3.692 0.023	-0.818 0.025	3.201 0.020	3.664 0.023	-0.744 0.027
AGESP	EST SE	1.692 0.097	-0.585 0.122	3.424 0.217	1.804 0.096	-0.344 0.119	3.650 0.207	1.680 0.099	-0.404 0.129	3.051 0.215
SX	EST SE	-0.125 0.014	-0.045 0.017	-0.083 0.029	-0.140 0.014	-0.093 0.017	-0.163 0.028	-0.096 0.014	-0.040 0.017	-0.110 0.028
PREF	EST SE	-0.366 0.017	-0.294 0.018	0.000 .	-0.355 0.017	-0.250 0.021	0.136 0.030	-0.354 0.017	-0.214 0.021	0.159 0.030
TRSNF	EST SE	0.165 0.044	0.000 .	0.000 .	0.346 0.060	0.242 0.075	0.310 0.114	0.256 0.061	0.268 0.080	0.515 0.103
ELCT	EST SE	-0.722 0.033	-0.303 0.037	0.000 .	-0.594 0.031	-0.295 0.040	-0.286 0.053	-0.583 0.030	-0.341 0.040	-0.241 0.051
EMRG	EST SE	0.129 0.017	0.079 0.018	0.000 .	0.225 0.017	0.125 0.019	0.000 .	0.284 0.018	0.122 0.019	0.000 .
CCA	EST SE	-0.553 0.019	-1.167 0.034	0.964 0.055	-0.562 0.019	-1.077 0.034	0.983 0.051	-0.590 0.019	-1.060 0.036	1.033 0.051
CCV	EST SE	0.282 0.014	0.065 0.016	0.000 .	0.317 0.014	0.088 0.015	0.000 .	0.266 0.010	0.000 .	-0.138 0.029
CLV	EST SE	-0.120 0.032	-0.761 0.041	0.456 0.097	-0.127 0.033	-0.762 0.042	0.552 0.094	-0.134 0.032	-0.849 0.043	0.360 0.112
CRN	EST SE	0.312 0.033	-0.219 0.038	0.000 .	0.196 0.032	-0.292 0.041	0.200 0.093	0.237 0.032	-0.254 0.043	0.322 0.098
PALR	EST SE	0.000 .	0.000 .	0.166 0.022	0.000 .	0.000 .	0.221 0.021	0.000 .	0.000 .	0.193 0.021
PAAR	EST SE	0.000 .	-0.156 0.021	0.239 0.042	0.000 .	-0.131 0.021	0.321 0.037	0.000 .	-0.160 0.022	0.230 0.042
PAMSR	EST SE	0.188 0.015	0.000 .	0.395 0.037	0.203 0.014	0.000 .	0.307 0.036	0.196 0.014	0.000 .	0.325 0.037
PAVSR	EST SE	0.079 0.029	-0.144 0.044	0.544 0.054	0.134 0.028	-0.148 0.041	0.453 0.056	0.093 0.027	-0.198 0.044	0.437 0.057
PACR	EST SE	-0.382 0.036	-0.405 0.046	0.462 0.061	-0.367 0.036	-0.347 0.049	0.558 0.056	-0.370 0.035	-0.374 0.044	0.443 0.058
Number of Cases		89,963			92,355			89,910		
Deaths (182 days)		61,295			64,018			63,682		
Chi-square		106,604			110,960			107,828		

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: CARDIOPULMONARY AND CIRCULATORY DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK				LONG TERM	
					EXCESS	INITIAL	PERSISTENCE			
MALIGNANT HYPERTENSION 4010	1989	8,611	414	38.7	0.664	(0.105)	0.876	(0.208)	0.908	(0.084)
	1988	8,680	414	58.5	0.552	(0.088)	0.935	(0.211)	0.910	(0.081)
	1987	9,177	500	45.7	0.494	(0.071)	1.261	(0.287)	1.017	(0.092)
BENIGN HYPERTENSION 4011	1989	590	40	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	687	39	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	786	39	14.5	2.873	(1.749)	0.318	(0.281)	0.638	(0.288)
HYPERTENSION NOS 4019	1989	12,058	504	111.6	0.503	(0.063)	1.247	(0.240)	0.694	(0.067)
	1988	13,020	569	132.9	0.515	(0.082)	0.729	(0.164)	0.916	(0.062)
	1987	14,884	651	132.3	0.547	(0.071)	0.875	(0.170)	0.831	(0.059)
HYPERTENSIVE HRT DIS NOS 40290	1989	2,713	115	26.8	1.527	(0.760)	0.310	(0.246)	0.781	(0.153)
	1988	3,026	202	10.7	1.703	(0.332)	0.453	(0.107)	1.168	(0.132)
	1987	3,482	230	11.6	1.530	(0.225)	0.632	(0.115)	0.878	(0.113)
MAL RENOVASC HYPERTENS 40501	1989	188	25	15.1	1.842	(0.743)	1.900	(1.076)	1.611	(1.278)
	1988	191	26	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	182	12	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
BENIGN RENOVASC HYPERTEN 40511	1989	54	5	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	65	8	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	59	9	11.6	1.738	(4.771)	0.130	(0.200)	5.455	(1.929)
INTERMED CORONARY SYND 4111	1989	191,034	13,335	174.0	0.956	(0.020)	0.989	(0.028)	0.855	(0.016)
	1988	184,368	13,433	154.9	0.929	(0.020)	1.038	(0.031)	0.854	(0.016)
	1987	168,632	12,395	173.7	0.933	(0.020)	1.018	(0.030)	0.846	(0.016)
AC ISCHEMIC HRT DIS NEC 4118	1989	17,213	1,263	26.5	0.815	(0.060)	1.024	(0.115)	0.910	(0.053)
	1988	20,434	1,466	54.2	0.934	(0.066)	0.809	(0.082)	0.884	(0.045)
	1987	23,763	1,819	42.6	0.804	(0.050)	1.031	(0.097)	0.902	(0.044)
PRINZMETAL ANGINA 4131	1989	634	15	19.1	0.369	(0.567)	0.160	(0.171)	0.695	(0.193)
	1988	694	27	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	839	26	17.5	0.731	(0.284)	0.937	(0.392)	0.338	(0.168)
ANGINA PECTORIS NEC/NOS 4139	1989	85,392	4,303	980.0	0.499	(0.022)	1.077	(0.070)	0.767	(0.022)
	1988	92,807	4,760	1091.8	0.481	(0.020)	1.154	(0.072)	0.754	(0.022)
	1987	97,374	5,056	1223.2	0.474	(0.019)	1.175	(0.068)	0.741	(0.020)
CORONARY ATHEROSCLEROSIS 4140	1989	99,018	6,161	481.6	1.756	(0.048)	0.701	(0.023)	0.808	(0.023)
	1988	95,385	6,359	663.9	1.976	(0.053)	0.651	(0.021)	0.828	(0.023)
	1987	82,278	5,932	679.7	2.041	(0.057)	0.679	(0.023)	0.845	(0.025)
ANEURYSM, HEART (MALL) 41410	1989	249	44	21.4	3.773	(1.417)	0.355	(0.231)	2.396	(0.744)
	1988	233	44	21.3	1.734	(0.695)	0.651	(0.349)	3.200	(0.817)
	1987	288	73	58.5	2.903	(0.676)	0.881	(0.284)	3.133	(0.817)
CHR ISCHEMIC HRT DIS NEC 4148	1989	2,711	229	15.8	1.585	(0.209)	0.958	(0.158)	0.812	(0.135)
	1988	3,403	295	31.0	1.901	(0.224)	0.750	(0.103)	0.791	(0.107)
	1987	3,989	348	10.9	1.506	(0.191)	0.669	(0.107)	1.111	(0.111)
CHR ISCHEMIC HRT DIS NOS 4149	1989	6,275	443	46.9	2.048	(0.214)	0.630	(0.082)	0.898	(0.094)
	1988	7,584	511	53.1	1.994	(0.188)	0.595	(0.064)	0.855	(0.078)
	1987	9,502	703	69.8	2.005	(0.165)	0.612	(0.063)	0.906	(0.072)
ACUTE PERICARDITIS NOS 42090	1989	2,119	271	38.0	1.773	(0.241)	0.851	(0.228)	1.271	(0.232)
	1988	2,088	260	29.6	1.546	(0.187)	1.176	(0.254)	0.883	(0.200)
	1987	1,947	250	51.8	2.094	(0.234)	0.861	(0.131)	0.840	(0.159)
ACUTE PERICARDITIS NEC 42099	1989	77	29	39.7	4.263	(1.372)	1.288	(0.675)	2.891	(2.123)
	1988	100	25	27.8	7.939	(3.573)	0.238	(0.123)	3.527	(1.157)
	1987	67	25	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
IDIOPATHIC MYOCARDITIS 42291	1989	81	12	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	82	14	13.6	6.384	(3.807)	0.389	(0.219)	2.922	(1.178)
	1987	75	10	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
HYPERTR OBSTR CARDIOMYOP 4251	1989	795	75	12.6	2.216	(0.564)	0.689	(0.212)	1.302	(0.301)
	1988	804	68	12.6	2.709	(0.713)	0.539	(0.149)	1.053	(0.240)
	1987	773	60	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
ATRIOVENT BLOCK-1ST DEGR 42611	1989	1,145	103	4.3	1.209	(0.333)	0.552	(0.170)	1.040	(0.153)
	1988	1,163	108	5.2	0.729	(0.270)	0.787	(0.483)	1.071	(0.184)
	1987	1,124	115	0.6	0.935	(0.249)	1.056	(0.527)	0.894	(0.222)
ATRIOVEN BLOCK-MOBITZ II 42612	1989	1,465	95	21.2	0.929	(0.512)	0.224	(0.145)	1.159	(0.139)
	1988	1,414	92	11.9	0.721	(0.217)	0.800	(0.275)	0.821	(0.140)
	1987	1,377	77	24.2	0.707	(0.188)	0.899	(0.248)	0.565	(0.114)
AV BLOCK-2ND DEGREE NEC 42613	1989	3,127	211	23.3	0.660	(0.141)	1.015	(0.368)	0.783	(0.116)
	1988	3,030	220	20.3	0.907	(0.154)	0.862	(0.182)	0.723	(0.090)
	1987	2,886	199	34.1	0.822	(0.286)	0.381	(0.211)	0.988	(0.105)
LEFT BB BLOCK NEC 4263	1989	236	23	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	284	22	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	263	32	20.8	7.504	(2.902)	0.251	(0.091)	1.241	(0.353)
PAROX ATRIAL TACHYCARDIA 4270	1989	9,388	622	28.8	0.989	(0.107)	0.669	(0.103)	0.943	(0.066)
	1988	9,465	608	42.8	0.904	(0.085)	0.865	(0.110)	0.759	(0.061)
	1987	9,260	633	22.8	0.838	(0.079)	1.220	(0.197)	0.715	(0.080)
ATRIAL FIBRILLATION 42731	1989	69,911	6,939	257.8	1.371	(0.039)	0.896	(0.037)	1.161	(0.029)
	1988	68,363	7,067	268.2	1.356	(0.039)	0.902	(0.038)	1.181	(0.030)
	1987	64,460	6,526	179.2	1.332	(0.040)	0.871	(0.036)	1.154	(0.029)
ATRIAL FLUTTER 42732	1989	8,296	645	3.6	0.900	(0.083)	1.126	(0.151)	0.890	(0.075)
	1988	7,926	688	8.9	0.816	(0.070)	1.566	(0.247)	0.846	(0.101)
	1987	7,566	649	5.2	0.837	(0.075)	1.178	(0.159)	0.921	(0.078)
ATRIAL PREMATURE BEATS 42761	1989	1,688	108	13.3	0.598	(0.132)	1.599	(0.562)	0.626	(0.167)
	1988	1,754	131	10.1	0.569	(0.161)	0.995	(0.385)	1.075	(0.152)
	1987	1,823	110	28.8	0.928	(0.395)	0.261	(0.139)	0.995	(0.119)
PREMATURE BEATS NEC 42769	1989	13,652	897	38.1	0.678	(0.061)	1.160	(0.156)	0.898	(0.062)
	1988	14,825	1,141	12.9	0.780	(0.061)	1.175	(0.139)	0.960	(0.062)
	1987	15,009	1,128	28.9	0.787	(0.067)	0.931	(0.115)	0.993	(0.056)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: CARDIOPULMONARY AND CIRCULATORY DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS		INITIAL	PERSISTENCE		LONG TERM
SINOATRIAL NODE DYSFUNCT 42781	1989	23,273	1,528	160.0	0.641	(0.048)	1.032	(0.111)	0.808	(0.040)
	1988	23,404	1,645	174.9	0.521	(0.040)	1.282	(0.157)	0.853	(0.045)
	1987	22,902	1,641	135.7	0.645	(0.046)	1.132	(0.123)	0.808	(0.042)
CARDIAC DYSRHYTHMIAS NEC 42789	1989	32,673	2,825	48.2	1.359	(0.063)	0.698	(0.045)	0.996	(0.036)
	1988	32,229	2,968	47.1	1.365	(0.063)	0.692	(0.043)	1.065	(0.037)
	1987	30,378	2,836	51.4	1.357	(0.060)	0.802	(0.049)	0.948	(0.037)
CARDIAC DYSRHYTHMIA NOS 4279	1989	6,951	789	221.1	3.296	(0.252)	0.427	(0.040)	1.107	(0.078)
	1988	8,162	961	205.0	3.052	(0.243)	0.403	(0.044)	1.287	(0.079)
	1987	9,588	1,081	252.1	3.335	(0.242)	0.358	(0.032)	1.215	(0.065)
HRT DIS POSTCARDIAC SURG 4294	1989	1,070	77	9.4	1.069	(0.266)	0.671	(0.184)	0.723	(0.157)
	1988	1,014	66	20.5	1.156	(0.328)	0.433	(0.126)	0.700	(0.139)
	1987	951	76	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
CAROTID ARTERY OCCLUSION 4331	1989	29,266	1,266	120.2	0.652	(0.053)	0.959	(0.103)	0.877	(0.045)
	1988	32,040	1,511	75.1	0.711	(0.050)	1.060	(0.106)	0.874	(0.047)
	1987	33,506	1,564	88.4	0.735	(0.050)	1.076	(0.102)	0.811	(0.044)
MULT PRECEREB OCCLUSION 4333	1989	10,367	659	22.7	0.711	(0.071)	1.714	(0.287)	1.025	(0.112)
	1988	10,988	681	4.4	0.843	(0.087)	1.135	(0.153)	1.079	(0.084)
	1987	10,992	670	7.3	0.834	(0.081)	1.386	(0.196)	0.964	(0.092)
PRECEREB OCCLUSION NEC 4338	1989	278	33	14.7	1.781	(0.520)	2.415	(1.043)	0.501	(0.871)
	1988	335	48	31.9	5.059	(1.699)	0.437	(0.156)	2.209	(0.551)
	1987	353	54	37.0	9.143	(3.568)	0.179	(0.078)	2.467	(0.462)
BASILAR ARTERY SYNDROME 4350	1989	4,062	170	100.4	0.286	(0.069)	1.839	(0.865)	0.550	(0.117)
	1988	4,611	225	101.5	0.304	(0.050)	4.427	(2.043)	0.304	(0.231)
	1987	4,765	207	122.8	0.246	(0.060)	1.733	(0.670)	0.626	(0.091)
VERTEBRAL ARTERY SYNDROM 4351	1989	4,581	181	143.6	0.203	(0.085)	0.892	(0.591)	0.722	(0.080)
	1988	4,776	179	164.8	0.162	(0.050)	1.843	(0.773)	0.611	(0.091)
	1987	5,361	223	153.5	0.233	(0.052)	1.947	(0.754)	0.573	(0.091)
TRANS CEREB ISCHEMIA NEC 4358	1989	3,755	221	56.3	0.267	(0.066)	2.389	(1.046)	0.853	(0.154)
	1988	3,955	252	61.2	0.265	(0.079)	1.243	(0.530)	1.086	(0.109)
	1987	3,897	267	28.6	0.439	(0.085)	1.648	(0.523)	0.904	(0.126)
TRANS CEREB ISCHEMIA NOS 4359	1989	77,159	5,396	574.6	0.429	(0.020)	1.473	(0.127)	1.001	(0.030)
	1988	82,194	6,063	538.7	0.465	(0.020)	1.452	(0.114)	0.997	(0.029)
	1987	84,128	6,209	607.6	0.444	(0.019)	1.441	(0.109)	1.004	(0.027)
HYPERTENS ENCEPHALOPATHY 4372	1989	7,640	509	10.2	1.340	(0.166)	0.599	(0.091)	1.087	(0.080)
	1988	8,398	609	3.3	1.180	(0.131)	0.795	(0.119)	1.110	(0.086)
	1987	9,491	659	0.4	1.033	(0.106)	0.920	(0.130)	1.022	(0.081)
RENAL ARTERY ANEURYSM 4421	1989	67	8	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	61	13	27.4	52.543	(38.31)	0.076	(0.059)	4.165	(1.850)
	1987	65	12	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
LOWER EXTREMITY ANEURYSM 4423	1989	2,459	212	13.5	1.258	(0.238)	0.812	(0.200)	1.484	(0.185)
	1988	2,384	206	12.3	1.146	(0.246)	0.767	(0.222)	1.534	(0.183)
	1987	2,326	223	17.4	1.360	(0.280)	0.781	(0.254)	1.526	(0.202)
ANEURYSM OF NECK 44281	1989	349	34	12.5	1.822	(0.700)	1.263	(0.658)	1.665	(0.845)
	1988	377	42	23.3	3.517	(1.185)	0.732	(0.319)	1.709	(0.616)
	1987	411	40	18.1	2.059	(0.562)	1.766	(0.822)	0.561	(0.718)
VISCERAL ANEURYSM NEC 44284	1989	78	14	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	68	16	24.7	9.115	(4.033)	0.559	(0.340)	0.324	(1.642)
	1987	72	24	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
ANEURYSM NEC 44289	1989	57	3	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	60	10	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	64	16	18.5	7.889	(6.839)	0.176	(0.182)	5.240	(1.791)
STRICTURE OF ARTERY 4471	1989	4,698	331	20.1	1.469	(0.240)	0.678	(0.168)	1.462	(0.154)
	1988	4,153	332	42.2	1.940	(0.257)	0.727	(0.124)	1.352	(0.154)
	1987	3,695	309	33.0	1.327	(0.194)	1.036	(0.214)	1.452	(0.174)
ARTERITIS NOS 4476	1989	924	204	201.0	2.024	(0.318)	2.185	(0.659)	2.859	(0.837)
	1988	894	206	202.0	2.236	(0.350)	1.861	(0.665)	2.969	(0.931)
	1987	935	198	165.1	2.638	(0.361)	1.681	(0.582)	1.935	(0.815)
SUPERFIC PHLEBITIS-LEG 4510	1989	3,837	127	76.9	0.466	(0.110)	0.999	(0.355)	0.538	(0.092)
	1988	4,061	132	79.3	0.420	(0.098)	1.059	(0.330)	0.570	(0.092)
	1987	4,390	141	95.4	0.389	(0.052)	3.196	(1.365)	0.089	(0.215)
FEMORAL VEIN PHLEBITIS 45111	1989	2,920	296	5.4	0.819	(0.092)	1.628	(0.409)	0.832	(0.166)
	1988	3,159	352	7.9	1.170	(0.136)	1.142	(0.278)	0.956	(0.176)
	1987	3,497	358	6.8	0.870	(0.090)	1.764	(0.484)	0.735	(0.189)
DEEP PHLEBITIS-LEG NEC 45119	1989	9,632	826	15.9	0.985	(0.071)	1.215	(0.183)	0.686	(0.086)
	1988	10,752	928	14.7	0.792	(0.054)	1.570	(0.266)	0.773	(0.105)
	1987	11,338	970	15.1	0.968	(0.061)	1.239	(0.140)	0.725	(0.070)
THROMBOPHLEBITIS LEG NOS 4512	1989	6,157	391	15.0	0.842	(0.093)	1.049	(0.174)	0.781	(0.086)
	1988	7,355	492	23.3	0.837	(0.074)	1.384	(0.246)	0.585	(0.106)
	1987	8,882	558	26.0	0.959	(0.094)	0.791	(0.111)	0.840	(0.068)
THROMBOPHLEBITIS MIGRANS 4531	1989	53	22	18.7	2.817	(0.824)	1.436	(0.935)	1.571	(1.728)
	1988	46	20	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	51	15	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
VENOUS THROMBOSIS NEC 4538	1989	22,597	2,602	43.6	1.037	(0.042)	1.275	(0.108)	1.009	(0.060)
	1988	19,795	2,251	44.4	1.016	(0.042)	1.493	(0.154)	0.798	(0.077)
	1987	17,233	1,942	31.6	1.106	(0.051)	1.132	(0.093)	1.036	(0.062)
LEG VARICOSITY W ULCER 4540	1989	2,429	149	6.3	0.607	(0.139)	1.708	(0.542)	1.017	(0.211)
	1988	2,730	142	13.1	0.497	(0.111)	1.857	(0.711)	0.793	(0.204)
	1987	2,881	184	27.7	0.474	(0.092)	4.226	(1.476)	0.658	(0.300)
LEG VARICOSITY W INFLAM 4541	1989	818	39	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	824	43	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	841	38	16.3	0.382	(0.291)	0.546	(0.423)	0.947	(0.187)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: CARDIOPULMONARY AND CIRCULATORY DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL PERSISTENCE	LONG TERM			
VARICOS LEG ULCER/INFLAM 4542	1989	4,332	312	5.7	0.799	(0.139)	1.201	(0.324)	1.173	(0.136)
	1988	4,593	372	29.9	0.580	(0.103)	1.692	(0.630)	1.365	(0.201)
	1987	4,544	384	44.8	0.523	(0.074)	8.005	(2.896)	0.478	(0.335)
VARICOSE VEIN OF LEG NOS 4549	1989	1,949	10	79.7	0.101	(0.062)	2.472	(1.782)	0.076	(0.109)
	1988	2,189	16	82.2	0.173	(0.114)	0.979	(0.590)	0.210	(0.083)
	1987	2,288	15	94.4	0.234	(0.169)	0.507	(0.301)	0.209	(0.073)
INT HEMORRHOID W/O COMPL 4550	1989	1,829	27	42.6	0.136	(0.128)	0.984	(0.804)	0.558	(0.139)
	1988	2,286	28	69.9	0.068	(0.065)	2.967	(3.586)	0.413	(0.191)
	1987	2,512	37	55.7	0.430	(0.233)	0.561	(0.326)	0.456	(0.104)
INT HEMORRHOID W COMP NEC 4552	1989	5,535	224	35.0	0.653	(0.118)	0.818	(0.197)	0.846	(0.097)
	1988	5,742	225	37.7	0.759	(0.116)	0.970	(0.206)	0.631	(0.094)
	1987	5,613	190	57.2	0.563	(0.105)	1.029	(0.262)	0.631	(0.091)
EXT HEMORRHOID W/O COMPL 4553	1989	299	3	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	443	6	12.9	0.448	(0.505)	0.336	(0.312)	0.463	(0.231)
	1987	569	10	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
EXT HEMORRHOID W COMP NEC 4555	1989	912	27	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	1,081	49	5.0	0.892	(0.236)	1.657	(0.818)	0.348	(0.325)
	1987	1,059	39	7.6	0.841	(0.314)	0.743	(0.254)	0.693	(0.185)
HEMORRHOIDS NOS 4556	1989	511	12	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	633	12	14.4	0.309	(0.494)	0.263	(0.512)	0.797	(0.258)
	1987	696	12	13.5	0.641	(0.539)	0.443	(0.310)	0.517	(0.209)
HEMORRHOID NOS W COMP NEC 4558	1989	1,062	60	1.9	1.000	(0.302)	0.967	(0.470)	0.753	(0.249)
	1988	1,170	75	2.6	0.755	(0.161)	2.342	(1.579)	0.454	(0.551)
	1987	1,263	86	2.1	0.854	(0.272)	0.860	(0.387)	1.301	(0.238)
OTHER LYMPHEDEMA 4571	1989	433	81	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	449	68	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	463	67	12.6	1.653	(0.327)	1.209	(0.399)	0.759	(0.367)
ORTHOSTATIC HYPOTENSION 4580	1989	12,026	937	46.9	0.634	(0.051)	1.354	(0.200)	0.890	(0.070)
	1988	11,773	903	70.6	0.580	(0.045)	1.763	(0.328)	0.725	(0.090)
	1987	10,873	843	69.3	0.549	(0.048)	1.686	(0.380)	0.801	(0.096)
AC MAXILLARY SINUSITIS 4610	1989	785	34	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	849	36	14.4	0.319	(0.134)	2.057	(2.074)	0.701	(0.374)
	1987	728	39	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
AC EPIGLOTTITIS NO OBSTR 46430	1989	281	7	11.7	0.927	(0.667)	0.608	(0.478)	0.162	(0.186)
	1988	271	8	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	292	10	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
ACUTE URI NOS 4659	1989	4,003	385	9.9	1.277	(0.151)	0.907	(0.146)	1.159	(0.123)
	1988	4,283	461	18.9	1.117	(0.124)	1.106	(0.201)	1.253	(0.136)
	1987	3,906	446	32.0	1.362	(0.162)	0.893	(0.163)	1.392	(0.136)
ACUTE BRONCHITIS 4660	1989	91,960	11,299	1934.3	1.187	(0.027)	1.426	(0.062)	1.530	(0.040)
	1988	88,172	10,940	1780.8	1.193	(0.027)	1.461	(0.064)	1.451	(0.042)
	1987	75,062	10,079	2069.0	1.205	(0.029)	1.478	(0.069)	1.599	(0.046)
ACUTE BRONCHIOLITIS 4661	1989	671	76	12.4	1.292	(0.379)	1.114	(0.513)	1.651	(0.421)
	1988	753	75	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	728	78	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
DEVIATED NASAL SEPTUM 470	1989	1,566	10	60.4	0.585	(0.461)	0.220	(0.140)	0.208	(0.086)
	1988	2,044	22	50.6	0.243	(0.170)	0.690	(0.403)	0.414	(0.113)
	1987	2,451	23	73.0	0.258	(0.217)	0.539	(0.487)	0.342	(0.093)
POLYP OF NASAL CAVITY 4710	1989	357	2	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	470	5	16.1	0.633	(1.123)	0.141	(0.167)	0.387	(0.194)
	1987	442	6	13.0	0.178	(0.201)	1.766	(3.256)	0.319	(0.311)
NASAL POLYP NOS 4719	1989	376	4	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	502	9	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	629	3	35.9	2.926	(4.158)	0.030	(0.031)	0.134	(0.095)
CHR MAXILLARY SINUSITIS 4730	1989	1,503	23	42.1	0.193	(0.088)	2.377	(1.641)	0.295	(0.195)
	1988	1,833	29	60.7	0.177	(0.160)	0.414	(0.453)	0.597	(0.126)
	1987	1,998	29	47.6	0.313	(0.222)	1.127	(1.449)	0.346	(0.193)
CHR ETHMOIDAL SINUSITIS 4732	1989	534	7	15.4	0.291	(0.305)	0.803	(0.840)	0.370	(0.227)
	1988	503	6	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	423	3	10.3*	1.175	(0.062)	0.911	(0.069)	1.004	(0.049)
CHRONIC SINUSITIS NEC 4738	1989	659	13	11.7	0.598	(0.400)	0.559	(0.331)	0.540	(0.205)
	1988	603	6	24.7	0.089	(0.098)	15.505	(43.58)	0.023	(0.002)
	1987	577	10	12.7	0.224	(0.132)	4.113	(5.038)	0.125	(0.509)
NASAL & SINUS DIS NEC 4781	1989	692	30	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	809	29	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	917	23	15.8	1.276	(0.530)	0.497	(0.184)	0.411	(0.153)
DISEASE OF PHARYNX NEC 47829	1989	501	45	12.5	2.384	(1.311)	0.199	(0.153)	2.267	(0.457)
	1988	559	59	15.7	2.372	(0.659)	0.639	(0.226)	1.681	(0.427)
	1987	533	66	23.5	1.845	(0.539)	0.861	(0.454)	2.237	(0.604)
VOCAL CORD PARALYSIS NOS 47830	1989	82	16	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	102	21	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	127	31	28.0	2.308	(1.009)	0.719	(0.520)	4.862	(1.560)
VOCAL PARAL UNILAT PART 47831	1989	139	27	18.5	1.533	(0.643)	1.365	(1.095)	3.874	(1.589)
	1988	142	25	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	181	27	14.5	1.335	(0.675)	1.023	(0.773)	3.359	(1.081)
VOCAL PARAL BILAT PART 47833	1989	121	24	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	121	33	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	128	38	35.7	2.708	(0.825)	1.107	(0.588)	3.879	(1.610)
VOCAL PARAL BILAT TOTAL 47834	1989	43	11	14.4*	1.070	(0.055)	1.161	(0.099)	0.920	(0.057)
	1988	48	16	9.6*	1.090	(0.055)	1.046	(0.082)	0.991	(0.053)
	1987	51	12	14.3	3.757	(1.801)	1.406	(0.746)	2.124	(2.020)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: CARDIOPULMONARY AND CIRCULATORY DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK			
					EXCESS	INITIAL PERSISTENCE	LONG TERM	
VOCAL CORO/LARYNX POLYP 4784	1989	242	5	14.4*	1.070 (0.055)	1.161 (0.099)	0.920	(0.057)
	1988	350	5	9.6*	1.090 (0.055)	1.046 (0.082)	0.991	(0.053)
	1987	459	5	14.4	0.464 (0.366)	0.865 (0.604)	0.150	(0.154)
VOCAL CORO DISEASE NEC 4785	1989	285	8	14.4*	1.070 (0.055)	1.161 (0.099)	0.920	(0.057)
	1988	423	6	9.6*	1.090 (0.055)	1.046 (0.082)	0.991	(0.053)
	1987	521	12	11.6	0.357 (0.241)	1.182 (0.877)	0.453	(0.232)
FLU W RESP MANIFEST NEC 4871	1989	6,057	350	30.9	0.935 (0.108)	1.016 (0.168)	0.624	(0.083)
	1988	7,719	488	62.6	1.247 (0.121)	0.903 (0.128)	0.509	(0.074)
	1987	3,473	237	10.9	1.143 (0.246)	0.448 (0.132)	1.118	(0.111)
FLU W MANIFESTATION NEC 4878	1989	625	35	14.4*	1.070 (0.055)	1.161 (0.099)	0.920	(0.057)
	1988	871	45	9.6*	1.090 (0.055)	1.046 (0.082)	0.991	(0.053)
	1987	482	22	15.3	2.125 (1.145)	0.165 (0.089)	0.602	(0.176)
BRONCHITIS NOS 490	1989	5,406	597	32.8	1.215 (0.113)	1.153 (0.175)	1.195	(0.121)
	1988	5,975	676	38.2	1.055 (0.099)	1.182 (0.193)	1.335	(0.124)
	1987	5,570	630	38.7	1.159 (0.109)	1.293 (0.231)	1.172	(0.133)
OBSTRUCT CHR BRONCHITIS 4912	1989	8,220	1,222	461.0	1.561 (0.109)	1.316 (0.165)	2.016	(0.151)
	1988	7,805	1,258	573.0	2.023 (0.133)	1.074 (0.101)	2.138	(0.135)
	1987	9,617	1,800	1007.7	1.886 (0.093)	1.694 (0.166)	1.863	(0.164)
CHRONIC BRONCHITIS NEC 4918	1989	252	36	11.8	1.605 (0.546)	1.356 (0.858)	1.753	(0.867)
	1988	272	45	9.6*	1.090 (0.055)	1.046 (0.082)	0.991	(0.053)
	1987	289	42	19.0	2.954 (1.021)	0.615 (0.274)	2.103	(0.610)
CHRONIC BRONCHITIS NOS 4919	1989	424	44	14.4*	1.070 (0.055)	1.161 (0.099)	0.920	(0.057)
	1988	502	42	9.6*	1.090 (0.055)	1.046 (0.082)	0.991	(0.053)
	1987	630	76	23.6	1.032 (0.438)	0.871 (0.546)	2.453	(0.449)
ASTHMA W/O STATUS ASTHM 49390	1989	38,924	2,950	114.3	0.810 (0.039)	1.456 (0.125)	1.197	(0.058)
	1988	38,169	2,908	96.7	0.806 (0.041)	1.324 (0.115)	1.234	(0.056)
	1987	37,626	2,875	76.0	0.849 (0.045)	1.115 (0.090)	1.277	(0.048)
ASTHMA W STATUS ASTHMAT 49391	1989	16,148	1,252	80.9	1.061 (0.075)	1.283 (0.135)	1.265	(0.085)
	1988	15,169	1,203	72.9	1.127 (0.095)	0.943 (0.119)	1.457	(0.084)
	1987	14,210	1,161	87.2	0.897 (0.074)	1.355 (0.198)	1.385	(0.103)
BRONCHIECTASIS 494	1989	2,204	252	54.8	1.465 (0.245)	0.930 (0.224)	1.910	(0.237)
	1988	2,272	289	94.4	1.372 (0.181)	1.734 (0.486)	1.595	(0.373)
	1987	2,590	330	107.0	1.869 (0.247)	1.055 (0.239)	1.802	(0.260)
PLEURISY W/O EFFUS OR TB 5110	1989	2,504	142	17.6	0.563 (0.107)	1.326 (0.365)	0.783	(0.143)
	1988	2,536	144	26.9	0.489 (0.103)	1.356 (0.552)	0.776	(0.157)
	1987	2,621	170	7.4	0.775 (0.135)	1.147 (0.309)	0.781	(0.136)
TRACHEOSTOMY COMPLIC 5190	1989	530	117	14.4*	1.070 (0.055)	1.161 (0.099)	0.920	(0.057)
	1988	554	114	73.9	2.368 (0.433)	1.171 (0.455)	2.416	(0.738)
	1987	571	141	94.4	1.916 (0.290)	2.697 (2.935)	1.410	(2.242)
TRACHEA/BRONCHUS DIS NEC 5191	1989	5,178	742	233.2	1.731 (0.146)	1.091 (0.166)	1.872	(0.169)
	1988	6,162	909	282.4	1.653 (0.119)	1.300 (0.191)	1.679	(0.178)
	1987	6,103	922	279.5	1.652 (0.124)	1.261 (0.182)	1.697	(0.161)
* ESTIMATE IMPUTED UNSPECIFIED CODES (USED TO IMPUTE ESTIMATES)	1989	26,978	1,915	14.4	1.070 (0.055)	1.161 (0.099)	0.920	(0.057)
	1988	28,100	2,060	9.6	1.090 (0.055)	1.046 (0.082)	0.991	(0.053)
	1987	25,326	1,892	10.3	1.175 (0.062)	0.911 (0.069)	1.004	(0.049)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
LOW RISK DISORDERS: INJURIES AND POISONINGS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
CL SKUL BASE FX-COMA NOS 80106	1989 1988 1987	74 67 46	13 8 1	16.2 0.3* 22.0*	6.696 0.989 1.177	(3.493) (0.038) (0.045)	0.781 1.029 0.922	(0.421) (0.058) (0.051)	2.156 0.995 1.013	(1.686) (0.035) (0.033)
FX MANDIBLE BODY NEC-CL 80228	1989 1988 1987	169 185 169	8 28 15	4.5* 19.8 22.0*	1.031 3.312 1.177	(0.039) (1.236) (0.045)	1.035 1.019 0.922	(0.057) (0.447) (0.051)	0.939 1.932 1.013	(0.033) (0.860) (0.033)
FX FACIAL BONE NEC-CLOSE 8028	1989 1988 1987	261 252 244	20 29 16	4.5* 12.0 22.0*	1.031 3.111 1.177	(0.039) (1.110) (0.045)	1.035 0.956 0.922	(0.057) (0.393) (0.051)	0.939 0.663 1.013	(0.033) (0.410) (0.033)
FX DORSAL VERTEBRA-CLOSE 8052	1989 1988 1987	7,950 8,451 8,650	728 702 734	43.3 17.3 20.5	0.902 0.787 0.824	(0.072) (0.074) (0.082)	2.142 1.554 1.572	(0.400) (0.266) (0.338)	0.873 1.049 1.089	(0.142) (0.110) (0.121)
FX LUMBAR VERTEBRA-CLOSE 8054	1989 1988 1987	12,351 13,317 13,397	1,097 1,215 1,137	35.4 39.8 41.3	0.794 0.809 0.813	(0.067) (0.059) (0.057)	1.385 1.569 1.911	(0.231) (0.222) (0.259)	1.208 1.104 0.928	(0.086) (0.090) (0.089)
FRACTURE ONE RIB-CLOSED 80701	1989 1988 1987	1,689 1,824 1,886	136 148 163	7.7 2.5 2.0	1.145 1.152 0.819	(0.186) (0.231) (0.172)	1.222 0.708 0.993	(0.292) (0.159) (0.279)	0.589 1.013 1.147	(0.143) (0.141) (0.151)
FRACTURE TWO RIBS-CLOSED 80702	1989 1988 1987	2,034 2,135 2,105	175 194 187	0.6 6.1 1.4	0.978 1.023 0.988	(0.186) (0.148) (0.217)	0.872 1.585 0.879	(0.230) (0.360) (0.280)	1.066 0.674 1.177	(0.143) (0.180) (0.156)
FRACTURE THREE RIBS-CLOS 80703	1989 1988 1987	2,158 2,194 2,190	203 217 174	3.3 4.5 7.9	1.250 1.129 0.754	(0.255) (0.179) (0.116)	0.868 1.074 2.346	(0.291) (0.207) (0.679)	1.148 1.121 0.537	(0.167) (0.155) (0.197)
FRACTURE FOUR RIBS-CLOSE 80704	1989 1988 1987	1,411 1,546 1,570	136 144 146	3.7 10.3 4.1	1.298 1.731 1.271	(0.260) (0.288) (0.232)	0.969 0.842 1.169	(0.249) (0.163) (0.312)	1.095 0.825 0.888	(0.185) (0.164) (0.191)
FRACTURE SIX RIBS-CLOSED 80706	1989 1988 1987	441 484 426	50 62 45	17.6 15.7 22.0*	2.617 2.057 1.177	(0.610) (0.526) (0.045)	1.077 1.064 0.922	(0.279) (0.361) (0.051)	0.594 1.261 1.013	(0.297) (0.404) (0.033)
FRACTURE OF STERNUM-CLOS 8072	1989 1988 1987	1,238 1,074 1,003	47 51 37	23.3 7.0 20.6	1.501 0.955 0.418	(0.411) (0.304) (0.166)	0.572 0.789 1.233	(0.144) (0.249) (0.686)	0.390 0.675 0.544	(0.119) (0.179) (0.181)
FRACTURE ACETABULUM-CLOS 8080	1989 1988 1987	2,306 2,388 2,326	290 329 336	38.8 64.5 91.3	1.475 1.777 1.826	(0.209) (0.229) (0.202)	1.213 1.048 1.610	(0.247) (0.186) (0.316)	1.271 1.407 0.986	(0.169) (0.175) (0.218)
FRACTURE OF PUBIS-CLOSED 8082	1989 1988 1987	12,487 11,904 10,451	1,219 1,193 1,065	35.4 20.9 40.4	1.135 1.042 1.036	(0.075) (0.076) (0.073)	1.383 1.266 1.696	(0.148) (0.152) (0.228)	0.893 1.020 0.875	(0.068) (0.077) (0.092)
FRACTURE OF ILIUM-CLOSED 80841	1989 1988 1987	462 437 459	60 39 55	17.0 0.3* 22.0*	2.360 0.989 1.177	(0.873) (0.038) (0.045)	0.681 1.029 0.922	(0.324) (0.058) (0.051)	1.814 0.995 1.013	(0.400) (0.035) (0.033)
PELV FX-CLOS/PELV DISRUP 80843	1989 1988 1987	392 444 476	54 59 68	28.7 19.6 21.2	3.681 3.816 2.974	(0.888) (1.203) (0.757)	0.779 0.459 0.688	(0.208) (0.159) (0.211)	1.045 1.492 1.234	(0.367) (0.341) (0.334)
PELVIC FRACTURE NEC-CLOS 80849	1989 1988 1987	288 391 404	30 49 52	4.5* 0.3* 12.2	1.031 0.989 2.301	(0.039) (0.038) (0.805)	1.035 1.029 0.858	(0.057) (0.058) (0.378)	0.939 0.995 1.376	(0.033) (0.035) (0.396)
PELVIC FRACTURE NOS-CLOS 8088	1989 1988 1987	2,664 3,848 4,974	308 451 552	22.4 38.7 40.6	1.173 1.398 1.586	(0.205) (0.160) (0.151)	0.922 1.060 1.045	(0.280) (0.183) (0.142)	1.469 1.265 0.965	(0.158) (0.137) (0.097)
FRACTURE TRUNK BONE-CLOS 8090	1989 1988 1987	46 70 58	5 17 8	4.5* 13.4 22.0*	1.031 3.337 1.177	(0.039) (1.286) (0.045)	1.035 1.343 0.922	(0.057) (0.692) (0.051)	0.939 1.301 1.013	(0.033) (0.990) (0.033)
FX UP END HUMERUS NOS-CL 81200	1989 1988 1987	3,557 3,707 3,495	256 262 233	6.5 8.6 0.5	1.260 1.223 1.044	(0.229) (0.151) (0.220)	0.717 1.245 0.860	(0.180) (0.187) (0.292)	1.295 0.737 1.109	(0.136) (0.133) (0.147)
FX SURG NCK HUMERUS-CLOS 81201	1989 1988 1987	4,700 5,124 5,306	404 468 421	14.6 24.5 4.8	0.995 1.445 1.155	(0.126) (0.153) (0.147)	1.324 0.987 0.988	(0.267) (0.140) (0.167)	1.153 1.081 1.090	(0.128) (0.115) (0.104)
FX UPPER HUMERUS NEC-CL 81209	1989 1988 1987	1,836 1,846 1,810	115 104 96	0.2 5.8 4.7	1.076 1.194 0.681	(0.266) (0.248) (0.217)	0.907 0.922 0.943	(0.289) (0.244) (0.354)	1.071 0.663 0.964	(0.184) (0.161) (0.167)
FX HUMERUS NOS-CLOSED 81220	1989 1988 1987	988 999 1,090	107 138 117	14.2 55.2 18.8	1.313 2.335 1.963	(0.317) (0.381) (0.444)	0.996 1.201 0.722	(0.336) (0.319) (0.229)	1.610 1.277 1.487	(0.284) (0.369) (0.262)
FX HUMERUS SHAFT-CLOSED 81221	1989 1988 1987	1,436 1,459 1,429	126 139 111	7.5 19.4 8.8	1.622 1.882 1.917	(0.315) (0.299) (0.516)	0.775 0.930 0.438	(0.227) (0.187) (0.136)	1.092 0.902 1.471	(0.195) (0.201) (0.201)
FX OLECRAN PROC ULNA-CL 81301	1989 1988 1987	2,434 2,547 2,370	84 109 91	39.2 11.1 20.7	0.175 0.645 0.588	(0.104) (0.234) (0.145)	1.299 0.813 1.453	(0.799) (0.516) (0.466)	0.888 0.933 0.537	(0.139) (0.189) (0.136)
COLLES' FRACTURE-CLOSED 81341	1989 1988 1987	2,509 2,747 3,164	67 94 76	55.9 44.0 78.0	0.760 0.221 0.662	(0.259) (0.115) (0.209)	0.401 0.953 0.484	(0.142) (0.544) (0.155)	0.567 0.904 0.490	(0.094) (0.131) (0.080)
FX DISTAL RADIUS NEC-CL 81342	1989 1988 1987	2,206 2,239 2,450	53 66 55	49.8 29.6 55.5	0.569 0.802 0.308	(0.319) (0.330) (0.136)	0.311 0.392 0.996	(0.179) (0.192) (0.475)	0.670 0.753 0.514	(0.111) (0.126) (0.109)
FX LOW RADIUS W ULNA-CL 81344	1989 1988 1987	1,587 1,745 1,726	60 58 46	10.6 18.2 31.0	0.482 0.540 0.379	(0.187) (0.211) (0.138)	1.209 0.800 1.573	(0.502) (0.288) (0.689)	0.782 0.759 0.434	(0.180) (0.158) (0.157)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERRDR
LDW RISK DISORDERS: INJURIES AND POISONINGS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL PERSISTENCE	LONG TERM			
FX RADIUS W ULNA NOS-CL 81383	1989	425	13	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	473	10	12.7	0.324	(0.240)	1.523	(0.996)	0.328	(0.230)
	1987	489	24	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
FX MID/PRX PHAL, HAND-DP 81611	1989	311	5	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	292	8	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	292	3	15.2	0.131	(0.247)	1.178	(1.982)	0.225	(0.229)
FX DISTAL PHAL, HAND-DPN 81612	1989	247	5	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	279	3	14.5	0.481	(0.800)	0.260	(0.292)	0.260	(0.184)
	1987	276	3	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
FRACTURE PATELLA-CLOSED 8220	1989	4,634	115	74.6	0.403	(0.095)	1.391	(0.440)	0.457	(0.100)
	1988	4,868	134	74.3	0.365	(0.107)	0.893	(0.281)	0.703	(0.093)
	1987	4,628	132	56.2	0.501	(0.130)	0.927	(0.260)	0.628	(0.093)
FX UPPER END TIBIA-CLOSE 82300	1989	3,545	149	20.1	0.468	(0.123)	1.087	(0.323)	0.954	(0.124)
	1988	3,420	126	28.6	0.525	(0.149)	0.899	(0.264)	0.808	(0.120)
	1987	3,442	141	18.6	0.543	(0.127)	1.330	(0.442)	0.738	(0.137)
FX UP TIBIA W FIBULA-CL 82302	1989	1,196	75	0.8	0.850	(0.300)	1.069	(0.578)	1.157	(0.259)
	1988	1,283	96	7.4	0.721	(0.205)	1.575	(0.655)	1.341	(0.333)
	1987	1,249	69	0.4	0.878	(0.291)	0.939	(0.367)	1.067	(0.236)
FX UP TIBIA W FIBULA-DPN 82312	1989	85	7	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	83	12	16.5	8.922	(4.119)	0.605	(0.224)	1.169	(1.031)
	1987	99	9	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
FX SHAFT TIBIA W FIB-DPN 82332	1989	210	17	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	216	22	12.6	3.321	(1.199)	0.982	(0.341)	1.011	(0.678)
	1987	188	15	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
FX TIBIA NOS-CLOSED 82380	1989	1,071	47	5.0	0.501	(0.251)	1.052	(0.616)	0.983	(0.241)
	1988	1,082	48	8.0	0.787	(0.372)	0.499	(0.242)	1.110	(0.215)
	1987	1,143	51	10.5	0.290	(0.202)	1.008	(0.889)	1.186	(0.234)
FX TIBIA W FIBULA NOS-CL 82382	1989	2,078	125	3.9	0.673	(0.158)	1.452	(0.461)	1.098	(0.208)
	1988	2,087	138	8.8	1.142	(0.332)	0.470	(0.166)	1.504	(0.175)
	1987	2,147	136	2.2	0.870	(0.217)	1.136	(0.337)	1.180	(0.187)
FX TIBIA W FIB NOS-DPEN 82392	1989	355	34	27.2	23.969	(13.93)	0.040	(0.022)	3.025	(0.612)
	1988	364	25	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	333	20	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
FX LATERAL MALLEOLUS-CL 8242	1989	1,331	35	21.0	0.240	(0.119)	2.099	(1.412)	0.604	(0.218)
	1988	1,410	38	20.9	0.381	(0.209)	0.791	(0.426)	0.740	(0.171)
	1987	1,338	42	12.6	0.526	(0.340)	0.673	(0.774)	0.831	(0.230)
FX BIMALLEOLAR-CLOSED 8244	1989	5,087	133	79.9	0.261	(0.074)	1.423	(0.579)	0.669	(0.109)
	1988	5,040	163	44.5	0.506	(0.101)	1.326	(0.397)	0.597	(0.120)
	1987	4,765	143	50.6	0.441	(0.102)	1.150	(0.279)	0.665	(0.099)
FX TRIMALLEOLAR-CLOSED 8246	1989	5,577	122	79.1	0.392	(0.096)	1.085	(0.283)	0.559	(0.090)
	1988	5,584	116	101.7	0.465	(0.106)	0.885	(0.225)	0.473	(0.086)
	1987	5,431	110	93.0	0.293	(0.080)	1.344	(0.423)	0.520	(0.099)
FX ANKLE NOS-CLOSED 8248	1989	2,485	96	11.5	0.769	(0.210)	0.827	(0.247)	0.786	(0.134)
	1988	2,437	105	4.7	0.851	(0.213)	0.877	(0.247)	0.871	(0.158)
	1987	2,457	120	4.5	0.654	(0.192)	0.969	(0.299)	1.162	(0.168)
FRACTURE CALCANEUS-CLOSE 8250	1989	797	8	36.2	0.053	(0.124)	1.472	(2.118)	0.316	(0.175)
	1988	824	8	46.0	0.003	(0.069)	5.687	(49.23)	0.338	(0.244)
	1987	800	9	33.1	0.090	(0.129)	1.568	(1.800)	0.315	(0.176)
DISLOCATION JAW-CLOSED 8300	1989	41	6	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	56	14	23.6	6.181	(3.847)	0.735	(0.471)	5.518	(2.707)
	1987	62	6	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
DISLOCAT HIP NOS-CLOSED 83500	1989	242	10	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	232	24	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	258	24	12.8	3.202	(0.962)	0.921	(0.343)	0.082	(0.327)
TEAR MED MENISC KNEE-CUR 8360	1989	855	9	22.0	0.146	(0.139)	3.933	(3.343)	0.181	(0.401)
	1988	1,129	5	24.4	1.000	(-)	1.000	(-)	0.102	(0.082)
	1987	1,467	11	42.8	0.320	(0.257)	0.708	(0.728)	0.221	(0.120)
SPRAIN ROTATOR CUFF 8404	1989	7,503	44	237.2	0.352	(0.127)	0.459	(0.148)	0.207	(0.047)
	1988	6,439	42	197.4	0.164	(0.094)	0.765	(0.546)	0.258	(0.062)
	1987	5,136	36	157.5	0.225	(0.190)	0.340	(0.336)	0.317	(0.064)
SPRAIN HIP & THIGH NEC 8438	1989	863	24	17.7	0.632	(0.291)	0.867	(0.436)	0.410	(0.159)
	1988	824	38	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	769	25	16.2	0.632	(0.368)	0.510	(0.251)	0.642	(0.174)
SPRAIN HIP & THIGH NOS 8439	1989	611	44	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	643	45	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	710	50	11.5	0.274	(0.311)	0.672	(1.278)	1.233	(0.223)
SPRAIN OF KNEE & LEG NEC 8448	1989	561	15	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	618	12	22.3	0.316	(0.187)	1.884	(1.010)	0.161	(0.251)
	1987	630	12	20.4	0.490	(0.233)	1.556	(0.951)	0.079	(0.168)
SPRAIN OF KNEE & LEG NOS 8449	1989	766	41	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	886	52	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	939	33	23.8	0.370	(0.154)	1.736	(0.909)	0.411	(0.170)
SPRAIN LUMBOSACRAL 8460	1989	4,142	178	30.6	0.425	(0.114)	1.117	(0.519)	0.978	(0.131)
	1988	4,730	192	30.3	0.552	(0.094)	1.465	(0.426)	0.647	(0.135)
	1987	5,475	205	39.2	0.653	(0.119)	0.932	(0.228)	0.709	(0.093)
SPRAIN SACROILIAC NOS 8469	1989	547	25	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	654	28	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	785	20	22.7	0.439	(0.710)	0.153	(0.252)	0.707	(0.170)
SPRAIN OF NECK 8470	1989	1,151	39	4.7	0.746	(0.335)	0.686	(0.381)	1.000	(-)
	1988	1,326	51	3.4	0.857	(0.320)	0.826	(0.425)	0.840	(0.238)
	1987	1,531	41	25.4	0.317	(0.133)	1.448	(0.710)	0.589	(0.192)

* ESTIMATE IMPUTED

TABLE 48
ICO-9-CM ESTIMATE AND STANDARD ERROR
LOW RISK DISORDERS: INJURIES AND POISONINGS

ICO-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK		LONG TERM	
					EXCESS	INITIAL PERSISTENCE	EXCESS	INITIAL PERSISTENCE
SPRAIN LUMBAR REGION 8472	1989	2,662	97	33.8	0.472	(0.093)	2.470	(0.920)
	1988	2,900	110	22.2	0.554	(0.149)	1.020	(0.363)
	1987	3,120	130	12.4	0.746	(0.187)	0.877	(0.321)
CONCUSSION W/O COMA 8500	1989	2,242	157	5.3	0.909	(0.195)	0.722	(0.223)
	1988	2,504	179	3.9	0.932	(0.224)	0.704	(0.242)
	1987	2,680	216	7.7	0.940	(0.236)	0.610	(0.200)
CONCUSSION-BRIEF COMA 8501	1989	1,710	64	22.2	0.702	(0.192)	0.950	(0.305)
	1988	1,907	81	20.6	0.585	(0.161)	1.115	(0.409)
	1987	2,085	97	14.5	0.509	(0.127)	1.688	(0.530)
CONCUSSION W COMA NOS 8505	1989	893	57	4.5*	1.031	(0.039)	1.035	(0.057)
	1988	954	42	0.3*	0.989	(0.038)	1.029	(0.058)
	1987	1,047	75	6.1	1.494	(0.602)	0.367	(0.163)
CONCUSSION NOS 8509	1989	1,612	133	2.1	0.939	(0.231)	0.967	(0.307)
	1988	1,857	150	0.7	0.897	(0.198)	1.186	(0.424)
	1987	2,259	208	15.0	0.890	(0.160)	1.775	(0.517)
BRAIN INJURY NEC 85400	1989	1,507	181	42.9	2.893	(0.759)	0.447	(0.193)
	1988	1,623	203	31.8	2.145	(0.427)	0.619	(0.211)
	1987	1,739	234	58.3	2.266	(0.364)	0.757	(0.159)
BRAIN INJURY NEC-NO COMA 85401	1989	1,238	132	9.0	1.480	(0.324)	0.847	(0.280)
	1988	1,290	138	7.5	1.482	(0.264)	0.982	(0.249)
	1987	1,327	139	7.0	1.044	(0.219)	1.338	(0.409)
BRAIN INJ NEC-COMA NOS 85406	1989	511	51	28.6	3.836	(0.960)	0.745	(0.210)
	1988	469	54	29.3	4.446	(1.127)	0.511	(0.141)
	1987	451	56	33.2	4.595	(1.151)	0.597	(0.146)
LUNG CONTUSION-CLOSED 86121	1989	584	85	51.3	2.965	(0.683)	0.999	(0.330)
	1988	603	76	35.8	2.664	(0.534)	1.292	(0.323)
	1987	541	56	29.8	5.069	(1.362)	0.450	(0.113)
ESOPHAGUS INJURY-CLOSED 86222	1989	70	17	22.7	6.544	(4.803)	0.216	(0.214)
	1988	35	5	0.3*	0.989	(0.038)	1.029	(0.058)
	1987	66	11	22.0*	1.177	(0.045)	0.922	(0.051)
INTRATHORACIC INJ NOS-CL 8628	1989	101	18	31.7	14.379	(6.061)	0.380	(0.155)
	1988	111	17	18.7	19.311	(12.77)	0.084	(0.053)
	1987	120	16	17.0	10.699	(5.351)	0.269	(0.131)
OPEN WOUND OF SCALP 8730	1989	1,018	86	6.7	1.431	(0.507)	0.357	(0.167)
	1988	1,173	104	0.2	1.005	(0.237)	1.154	(0.493)
	1987	1,257	106	2.2	0.697	(0.253)	1.114	(0.882)
OPEN WOUND OF HEAD NEC 8738	1989	96	20	34.1	14.667	(5.376)	0.214	(0.088)
	1988	89	17	39.1	25.368	(13.36)	0.108	(0.071)
	1987	117	29	54.6	13.264	(3.653)	0.159	(0.057)
OPEN WOUND OF NECK NEC 8748	1989	138	12	13.4	8.343	(4.621)	0.136	(0.063)
	1988	146	11	0.3*	0.989	(0.038)	1.029	(0.058)
	1987	139	15	16.3	10.049	(5.247)	0.277	(0.123)
OPEN WND SHOULDER-COMPL 88010	1989	68	28	44.0	2.978	(0.974)	3.738	(2.919)
	1988	14	0	0.3*	0.989	(0.038)	1.029	(0.058)
	1987	20	5	22.0*	1.177	(0.045)	0.922	(0.051)
OPEN WOUND OF WRIST 88102	1989	65	10	4.5*	1.031	(0.039)	1.035	(0.057)
	1988	99	19	0.3*	0.989	(0.038)	1.029	(0.058)
	1987	104	22	24.1	5.102	(1.952)	0.697	(0.308)
OPEN WOUND FINGER-COMPL 8831	1989	411	6	15.4	0.112	(0.112)	4.861	(9.264)
	1988	360	4	0.3*	0.989	(0.038)	1.029	(0.058)
	1987	344	5	22.0*	1.177	(0.045)	0.922	(0.051)
OPEN WND FINGER W TENON 8832	1989	380	3	4.5*	1.031	(0.039)	1.035	(0.057)
	1988	447	4	0.3*	0.989	(0.038)	1.029	(0.058)
	1987	499	8	12.7	0.364	(0.324)	1.029	(0.947)
AMPUTATION FINGER 8860	1989	595	8	4.5*	1.031	(0.039)	1.035	(0.057)
	1988	612	3	31.9	0.618	(1.313)	0.060	(0.078)
	1987	743	12	26.9	0.265	(0.219)	0.888	(0.739)
OPEN WND KNEE/LEG-COMPL 8911	1989	1,102	44	14.4	0.369	(0.134)	2.521	(1.443)
	1988	1,095	55	9.6	0.399	(0.146)	2.252	(1.408)
	1987	884	49	22.0*	1.177	(0.045)	0.922	(0.051)
CONTUSION FACE/SCALP/NCK 920	1989	1,308	119	0.4	1.154	(0.264)	0.875	(0.282)
	1988	1,392	134	3.7	0.913	(0.138)	3.301	(1.251)
	1987	1,586	154	4.1	1.022	(0.234)	0.991	(0.321)
CONTUSION OF CHEST WALL 9221	1989	2,023	124	7.3	0.796	(0.165)	0.975	(0.261)
	1988	2,061	141	10.1	0.826	(0.183)	0.737	(0.232)
	1987	1,961	141	1.2	0.870	(0.183)	1.021	(0.289)
CONTUSION OF BACK 9223	1989	1,395	134	2.6	0.807	(0.214)	1.345	(0.844)
	1988	1,466	142	3.5	1.133	(0.217)	1.173	(0.338)
	1987	1,647	142	1.0	0.822	(0.192)	1.159	(0.462)
CONTUSION OF HIP 92401	1989	3,767	407	17.5	0.793	(0.083)	2.746	(0.826)
	1988	3,740	411	11.3	0.719	(0.086)	2.466	(1.200)
	1987	3,841	417	31.2	0.761	(0.082)	3.394	(0.760)
CONTUSION OF LOWER LEG 92410	1989	515	33	4.5*	1.031	(0.039)	1.035	(0.057)
	1988	548	31	14.0	0.183	(0.133)	8.634	(13.15)
	1987	563	40	22.0*	1.177	(0.045)	0.922	(0.051)
CONTUSION OF KNEE 92411	1989	484	24	11.9	0.407	(0.179)	6.676	(4.411)
	1988	545	40	0.3*	0.989	(0.038)	1.029	(0.058)
	1987	534	24	22.0*	1.177	(0.045)	0.922	(0.051)
MULTIPLE CONTUSIONS NEC 9248	1989	1,338	103	1.7	1.050	(0.311)	0.616	(0.303)
	1988	1,559	142	1.5	1.086	(0.236)	0.982	(0.291)
	1987	1,612	153	4.4	0.964	(0.250)	0.855	(0.338)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
LOW RISK DISORDERS: INJURIES AND POISONINGS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
FOREIGN BODY IN PHARYNX 9330	1989	165	36	55.3	11.429	(3.690)	0.328	(0.129)	2.493	(0.832)
	1988	199	43	46.2	6.320	(1.711)	0.514	(0.159)	2.211	(0.652)
	1987	213	46	48.9	5.381	(1.353)	0.751	(0.261)	1.886	(0.724)
FOREIGN BODY ESOPHAGUS 9351	1989	2,380	118	24.0	0.514	(0.099)	2.186	(0.770)	0.492	(0.164)
	1988	2,537	115	31.2	0.669	(0.147)	0.864	(0.247)	0.644	(0.107)
	1987	2,784	128	33.7	0.917	(0.282)	0.375	(0.148)	0.861	(0.102)
3RD DEG BURN LEG-MULT 94539	1989	88	16	21.7	4.794	(2.539)	1.126	(0.666)	3.200	(1.861)
	1988	98	21	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	81	15	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
C1-C4 SPIN CORD INJ NOS 95200	1989	150	39	59.6	3.891	(1.204)	1.706	(0.816)	3.550	(2.033)
	1988	146	33	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	145	33	41.8	5.487	(1.533)	0.936	(0.265)	2.024	(1.066)
CENTRAL CORD SYND/C1-C4 95203	1989	89	20	24.0	2.370	(1.310)	1.662	(1.125)	3.862	(1.968)
	1988	83	24	45.3	7.103	(2.302)	1.475	(0.544)	1.399	(0.569)
	1987	69	17	28.1	5.755	(2.474)	1.401	(0.880)	2.257	(2.756)
C5-C7 SPIN CORD INJ NOS 95205	1989	60	18	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	83	21	40.5	10.584	(3.973)	0.802	(0.294)	2.688	(1.713)
	1987	64	23	50.1	8.041	(3.153)	1.238	(0.565)	4.141	(2.542)
TRUNK INJURY NOS 9591	1989	1,245	92	0.1	1.000	(0.264)	0.951	(0.367)	1.058	(0.204)
	1988	1,276	84	1.8	0.845	(0.236)	0.965	(0.455)	0.912	(0.240)
	1987	1,374	111	5.2	1.115	(0.271)	0.957	(0.169)	1.347	(0.189)
HIP & THIGH INJURY NOS 9596	1989	473	48	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	487	76	17.6	0.992	(0.359)	1.461	(1.389)	1.887	(0.652)
	1987	553	66	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
INJURY MLT SITE/SITE NEC 9598	1989	428	48	20.5	6.856	(3.330)	0.166	(0.096)	1.912	(0.403)
	1988	495	44	16.8	4.277	(1.497)	0.344	(0.153)	1.002	(0.330)
	1987	584	61	47.6	14.515	(5.574)	0.093	(0.037)	1.770	(0.316)
INJURY-SITE NOS 9599	1989	63	6	18.6	28.815	(18.3)	0.068	(0.035)	0.324	(0.324)
	1988	54	6	12.6	211.19	(275.1)	0.006	(0.007)	2.417	(1.209)
	1987	65	13	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
POISON-INSULIN/ANTIDIAB 9623	1989	667	87	22.0	1.416	(0.322)	1.025	(0.362)	2.082	(0.436)
	1988	651	81	19.9	1.130	(0.220)	3.192	(1.692)	0.754	(0.753)
	1987	657	73	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
POISONING-SALICYLATES 9651	1989	702	71	43.8	7.732	(2.893)	0.161	(0.080)	2.018	(0.401)
	1988	840	80	43.0	4.323	(0.915)	0.461	(0.114)	0.967	(0.258)
	1987	745	68	79.6	17.746	(5.147)	0.083	(0.024)	1.628	(0.311)
POISON-HYDANTOIN DERIVAT 9661	1989	1,033	56	8.8	0.416	(0.157)	2.236	(5.676)	1.131	(1.303)
	1988	944	42	12.9	1.001	(0.556)	0.153	(0.104)	1.431	(0.258)
	1987	990	74	13.2	0.729	(0.189)	2.552	(1.530)	1.401	(0.661)
POISONING-ANTIOEPRESSANT 9690	1989	1,546	83	12.5	1.689	(0.349)	1.014	(0.289)	1.121	(0.330)
	1988	1,581	88	18.8	1.853	(0.353)	1.184	(0.295)	0.753	(0.366)
	1987	1,457	98	34.7	3.223	(0.842)	0.452	(0.145)	2.070	(0.365)
POIS-BENZODIAZEPINE TRAN 9694	1989	2,297	178	20.0	1.677	(0.254)	0.919	(0.207)	1.123	(0.214)
	1988	2,433	230	55.0	1.581	(0.221)	1.250	(0.303)	1.480	(0.308)
	1987	2,347	218	42.3	1.546	(0.213)	1.178	(0.259)	1.428	(0.273)
POISON-MEDICINAL AGT NOS 9779	1989	589	49	11.7	1.940	(0.552)	0.531	(0.200)	2.083	(0.554)
	1988	646	44	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	721	47	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
TOXIC EFF ISOPROPYL ALC 9802	1989	66	4	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	80	7	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	63	7	14.2	29.818	(21.44)	0.071	(0.038)	1.996	(1.151)
TOX EFF CARBON MONOXIDE 986	1989	424	44	22.0	3.065	(0.758)	0.920	(0.231)	0.449	(0.250)
	1988	483	51	20.0	3.243	(0.822)	0.696	(0.186)	0.835	(0.293)
	1987	493	50	28.5	4.300	(1.067)	0.539	(0.140)	0.718	(0.275)
HEAT STROKE & SUNSTROKE 9920	1989	322	58	44.7	4.573	(1.402)	0.695	(0.338)	1.912	(0.604)
	1988	854	143	85.0	5.772	(1.128)	0.365	(0.079)	1.706	(0.256)
	1987	559	91	65.8	5.777	(1.236)	0.450	(0.108)	1.434	(0.312)
EFFECTS OF HUNGER 9942	1989	64	27	41.3	2.736	(1.139)	1.463	(1.471)	7.393	(3.724)
	1988	61	24	36.2	1.861	(0.845)	9.198	(20.05)	4.621	(4.701)
	1987	56	20	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
ANGIONEUROTIC EOEMA 9951	1989	987	35	18.0	0.561	(0.191)	0.959	(0.427)	0.506	(0.180)
	1988	903	43	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	823	30	13.0	0.688	(0.282)	0.996	(0.280)	0.689	(0.205)
AOV EFF MED/BIOL SUB NOS 9952	1989	6,553	970	148.6	1.252	(0.084)	1.333	(0.202)	1.534	(0.146)
	1988	7,533	1,046	99.7	1.087	(0.072)	1.520	(0.221)	1.254	(0.139)
	1987	8,213	1,072	75.8	1.153	(0.079)	1.118	(0.150)	1.408	(0.110)
MALFUNC CARDIAC PACEMAKE 99601	1989	10,028	546	170.8	0.368	(0.052)	1.401	(0.361)	0.737	(0.064)
	1988	10,452	565	197.7	0.336	(0.052)	1.440	(0.452)	0.734	(0.072)
	1987	10,471	577	162.6	0.413	(0.064)	0.999	(0.253)	0.811	(0.057)
MALFUNC CORON BYPASS GRF 99603	1989	3,521	326	80.1	2.962	(0.350)	0.448	(0.061)	1.316	(0.153)
	1988	2,774	245	69.1	3.004	(0.372)	0.462	(0.062)	0.925	(0.141)
	1987	1,428	139	37.5	3.002	(0.503)	0.462	(0.086)	1.103	(0.222)
MALFUN NEURO DEVICE/GRAF 9962	1989	795	54	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	818	72	33.0	1.825	(0.614)	0.587	(0.352)	3.119	(0.654)
	1987	716	50	16.9	0.847	(0.256)	4.861	(5.438)	1.093	(1.436)
MALF INT ORTHPEO DEV/GRF 9964	1989	19,495	726	53.5	0.872	(0.075)	0.803	(0.091)	0.827	(0.063)
	1988	18,195	663	71.3	0.955	(0.091)	0.766	(0.090)	0.732	(0.056)
	1987	16,526	644	45.4	0.880	(0.081)	0.993	(0.113)	0.704	(0.063)
9965 9965 NC DEVICE/GRAFT NEC	1988	4	1	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	3,018	267	4.7	1.196	(0.124)	1.034	(0.206)	0.971	(0.158)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: INJURIES AND POISONINGS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK				LONG TERM	
					EXCESS	INITIAL	PERSISTENCE			
CORNEAL GRFT MALFUNCTION 99651	1989	793	15	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	773	10	25.1	0.076	(0.137)	1.601	(2.388)	0.435	(0.199)
LENS PROSTHESIS MALFUNC 99653	1989	722	9	26.1	0.683	(0.572)	0.363	(0.225)	0.284	(0.127)
	1988	656	11	25.0	0.112	(0.330)	0.168	(0.403)	0.536	(0.170)
MALFUNC OTH DEVICE/GRAFT 99659	1989	2,052	331	49.6	1.227	(0.112)	1.317	(0.318)	1.758	(0.303)
	1988	1,929	285	49.3	1.260	(0.108)	2.811	(0.678)	0.580	(0.326)
COMPLIC DEVICE/GRAFT NEC 9967	1989	19,720	2,573	155.4	1.057	(0.040)	1.125	(0.109)	1.628	(0.114)
	1988	18,759	2,448	157.0	1.204	(0.052)	1.736	(0.232)	0.916	(0.091)
	1987	17,684	2,152	95.2	1.046	(0.042)	1.646	(0.204)	1.046	(0.119)
COMPL TRANSPLANTED ORGAN 9968	1987	3,119	133	28.6	0.646	(0.086)	4.384	(1.473)	1.000	(.)
COMPL KIDNEY TRANSPLANT 99681	1989	2,741	140	59.8	0.522	(0.110)	7.468	(4.556)	2.622	(1.092)
	1988	2,566	132	12.5	1.200	(0.176)	1.000	(.)	1.670	(0.316)
SURG COMPL-BODY SYST NEC 9979	1989	1,190	27	27.1	0.268	(0.193)	0.598	(0.551)	1.000	(.)
	1988	1,000	18	27.6	0.337	(0.189)	0.882	(0.536)	0.415	(0.159)
	1987	921	23	22.4	0.896	(0.308)	0.840	(0.287)	0.179	(0.110)
POSTOPERATIVE SHOCK 9980	1989	73	20	34.5	12.760	(4.990)	0.142	(0.061)	2.259	(1.410)
	1988	83	17	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	86	29	22.0*	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)
HEMORR COMPLIC PROCEDURE 9981	1989	9,642	503	248.0	0.499	(0.045)	1.012	(0.162)	0.594	(0.067)
	1988	9,976	523	276.8	0.462	(0.050)	0.871	(0.144)	0.701	(0.063)
	1987	10,236	544	249.4	0.472	(0.049)	0.892	(0.150)	0.729	(0.064)
POSTOP WOUND DISRUPTION 9983	1989	2,113	212	1.2	1.101	(0.125)	1.044	(0.273)	0.922	(0.260)
	1988	2,134	198	8.1	1.460	(0.191)	0.704	(0.141)	0.913	(0.180)
	1987	2,357	231	4.7	1.316	(0.167)	0.781	(0.189)	1.038	(0.193)
POSTOPERATIVE INFECTION 9985	1989	9,410	842	2.0	1.056	(0.067)	0.846	(0.101)	1.091	(0.111)
	1988	9,118	807	2.1	0.905	(0.065)	1.088	(0.150)	1.003	(0.104)
	1987	8,786	814	9.0	0.947	(0.073)	0.884	(0.124)	1.309	(0.110)
PERSIST POSTOP FISTULA 9986	1989	859	117	33.6	1.354	(0.222)	1.674	(0.729)	1.768	(0.669)
	1988	964	123	29.0	1.157	(0.189)	2.178	(0.669)	1.291	(0.545)
	1987	961	138	47.6	1.603	(0.206)	2.314	(1.084)	0.912	(0.799)
SURGICAL COMPLICAT NEC 9988	1989	4,071	137	75.5	0.537	(0.087)	1.030	(0.250)	0.470	(0.099)
	1988	3,920	136	74.2	0.419	(0.079)	1.652	(0.690)	0.437	(0.140)
	1987	3,945	165	31.4	0.666	(0.104)	1.229	(0.319)	0.547	(0.123)
SURGICAL COMPLICAT NOS 9989	1989	178	9	4.5*	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	179	6	0.3*	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	272	5	17.5	0.455	(0.667)	0.151	(0.195)	0.474	(0.274)
* ESTIMATE IMPUTED UNSPECIFIED CODES (USED TO IMPUTE ESTIMATES)	1989	62,347	3,790	4.5	1.031	(0.039)	1.035	(0.057)	0.939	(0.033)
	1988	65,571	4,171	0.3	0.989	(0.038)	1.029	(0.058)	0.995	(0.035)
	1987	63,527	4,170	22.0	1.177	(0.045)	0.922	(0.051)	1.013	(0.033)

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR
LDW RISK DISORDERS: GASTROINTESTINAL AND ENDOCRINE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
NONTOX UNINODULAR GOITER 2410	1989	832	6	21.3	0.209	(0.276)	0.825	(0.902)	0.281	(0.162)
	1988	816	4	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	805	14	12.5*	1.004	(0.065)	1.146	(0.104)	1.044	(0.059)
NONTOX MULTINODULAR GOITER 2411	1989	1,378	28	2.5	0.547	(0.272)	1.142	(0.511)	1.000	(.)
	1988	1,336	21	18.0	0.449	(0.219)	1.000	(.)	0.447	(0.165)
	1987	1,211	23	2.3	0.606	(0.317)	0.975	(0.448)	1.000	(.)
NONTOX NODULAR GOITER NOS 2419	1989	939	12	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	1,013	16	13.0	0.754	(0.277)	1.000	(.)	0.283	(0.158)
	1987	1,025	15	22.5	1.144	(0.479)	0.877	(0.318)	0.087	(0.092)
ACQUIRED HYPOTHYROID NEC 2448	1989	70	15	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	74	11	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	68	13	12.4	1.082	(1.035)	3.989	(3.850)	2.409	(2.811)
HYPOTHYROIDISM NOS 2449	1989	1,670	301	161.1	1.986	(0.242)	1.386	(0.256)	1.936	(0.363)
	1988	1,743	308	171.3	1.757	(0.190)	2.097	(0.380)	1.192	(0.387)
	1987	1,891	336	204.3	2.132	(0.276)	1.212	(0.201)	2.367	(0.341)
DIABETES UNCOMPL ADULT 25000	1989	823	63	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	916	69	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	1,025	73	3.6	0.612	(0.223)	1.557	(0.721)	1.219	(0.323)
DIABETES UNCOMPL JUVEN 25001	1989	1,008	75	9.0	0.666	(0.343)	0.791	(0.692)	1.850	(0.365)
	1988	1,226	80	4.8	0.990	(0.228)	1.980	(0.774)	0.545	(0.337)
	1987	1,298	87	12.5	3.121	(1.026)	0.295	(0.118)	1.276	(0.214)
DIAB NEURO MANIF ADULT 25060	1989	1,824	171	37.7	0.895	(0.154)	3.508	(1.000)	0.777	(0.328)
	1988	1,906	145	13.6	0.806	(0.161)	2.680	(0.921)	0.810	(0.324)
	1987	1,886	145	17.9	0.736	(0.178)	2.373	(0.855)	1.156	(0.326)
DIAB NEURO MANIF JUVEN 25061	1989	2,418	233	69.8	0.567	(0.179)	1.568	(0.801)	2.260	(0.273)
	1988	2,579	242	46.6	0.619	(0.170)	2.394	(1.627)	1.666	(0.336)
	1987	2,623	222	43.7	0.503	(0.145)	2.786	(1.341)	1.635	(0.309)
DIAB W MANIF NEC ADULT 25080	1989	3,920	428	163.8	1.054	(0.103)	6.021	(1.251)	0.355	(0.323)
	1988	4,010	468	174.5	1.192	(0.115)	3.337	(0.568)	0.812	(0.256)
	1987	4,049	450	132.3	1.098	(0.161)	1.684	(0.603)	1.832	(0.338)
DIAB W MANIF NEC JUVEN 25081	1989	6,412	737	335.0	1.095	(0.099)	3.350	(0.679)	1.544	(0.266)
	1988	6,787	748	278.3	1.233	(0.117)	2.118	(0.356)	1.620	(0.206)
	1987	6,551	728	282.2	1.252	(0.120)	2.278	(0.420)	1.576	(0.231)
DIAB W COMPL NDS ADULT 25090	1989	16,262	1,349	51.5	1.246	(0.104)	0.854	(0.120)	1.337	(0.084)
	1988	17,819	1,517	90.7	1.283	(0.092)	0.969	(0.102)	1.328	(0.077)
	1987	18,509	1,475	49.2	1.209	(0.096)	0.881	(0.103)	1.303	(0.070)
DIAB W COMPL NOS JUVEN 25091	1989	30,894	2,509	127.4	0.886	(0.050)	1.356	(0.129)	1.295	(0.063)
	1988	33,063	2,738	136.6	1.099	(0.069)	0.895	(0.086)	1.445	(0.056)
	1987	34,118	2,814	173.8	1.017	(0.059)	1.219	(0.121)	1.334	(0.064)
HYPERPARATHYROIDISM 2520	1989	1,284	80	6.7	1.418	(0.354)	1.198	(0.336)	1.042	(0.248)
	1988	1,340	77	16.0	1.143	(0.204)	2.937	(0.750)	0.004	(0.216)
	1987	1,395	76	10.3	1.394	(0.285)	1.787	(0.494)	0.325	(0.241)
CUSHING'S SYNDROME 2550	1989	97	22	38.1	9.746	(3.646)	0.828	(0.329)	2.265	(1.274)
	1988	103	19	25.4	4.479	(1.900)	1.871	(0.847)	1.259	(1.349)
	1987	117	32	61.5	7.617	(2.220)	1.941	(0.783)	0.791	(1.003)
THIAMINE DEFIC NEC/NDS 2651	1989	105	11	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	125	13	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	120	23	35.4	7.953	(2.583)	0.832	(0.240)	0.935	(0.677)
NUTRITION DEFICIENCY NDS 2699	1989	97	27	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	100	28	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	106	28	24.2	1.799	(0.757)	4.385	(3.106)	1.206	(1.319)
GOUTY ARTHROPATHY 2740	1989	2,790	221	58.9	0.377	(0.064)	5.463	(1.746)	0.593	(0.178)
	1988	2,882	187	43.4	0.311	(0.068)	3.448	(1.403)	0.703	(0.188)
	1987	2,968	216	21.7	0.552	(0.141)	0.801	(0.272)	1.163	(0.130)
GOUT NDS 2749	1989	369	35	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	430	37	12.9	0.503	(0.641)	0.197	(0.191)	1.795	(0.316)
	1987	408	18	14.8	3.611	(4.340)	0.024	(0.023)	0.918	(0.230)
ALKALOSIS 2763	1989	329	68	16.3	1.568	(0.336)	2.104	(0.779)	0.699	(0.454)
	1988	352	72	19.5	2.331	(0.639)	0.674	(0.185)	1.713	(0.389)
	1987	375	73	22.9	3.170	(0.955)	0.467	(0.181)	1.761	(0.393)
HYPOKALASSEMIA 2768	1989	7,880	1,056	158.3	1.235	(0.113)	0.812	(0.102)	1.945	(0.115)
	1988	8,417	1,008	83.6	1.122	(0.101)	0.931	(0.113)	1.608	(0.105)
	1987	8,452	985	117.4	1.210	(0.150)	0.564	(0.096)	1.922	(0.099)
DENTAL CARIES 5210	1989	846	45	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	1,103	48	3.5	0.477	(0.324)	1.022	(0.846)	1.353	(0.300)
	1987	1,460	58	9.6	0.880	(0.642)	0.269	(0.173)	1.520	(0.226)
SIALOADENITIS 5272	1989	2,383	194	11.0	1.629	(0.257)	0.734	(0.148)	1.131	(0.198)
	1988	2,406	212	9.8	1.464	(0.247)	0.752	(0.146)	1.280	(0.181)
	1987	2,446	212	23.5	1.603	(0.225)	1.138	(0.205)	0.956	(0.212)
SALIVARY GLAND ABSCESS 5273	1989	280	33	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	270	31	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	248	39	16.5	3.591	(1.811)	0.304	(0.206)	2.782	(0.692)
SIALOLITHIASIS 5275	1989	262	2	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	280	6	13.2	61.138	(77.89)	0.005	(0.005)	0.567	(0.284)
	1987	310	4	12.5*	1.004	(0.065)	1.146	(0.104)	1.044	(0.059)
DRAL SDFT TISSUE DIS NEC 5289	1989	247	37	22.8	2.865	(2.735)	0.173	(0.197)	3.182	(0.619)
	1988	285	30	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	314	44	14.1	2.914	(1.585)	0.342	(0.220)	2.088	(0.427)
ACHALASIA & CARDIOSPASM 5300	1989	889	98	19.5	0.993	(0.229)	2.230	(0.874)	1.195	(0.487)
	1988	997	125	29.7	1.228	(0.281)	1.375	(0.401)	1.742	(0.377)
	1987	1,069	130	27.8	1.396	(0.296)	1.318	(0.341)	1.507	(0.378)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: GASTROINTESTINAL AND ENDOCRINE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
ESOPHAGITIS 5301	1989	16,514	1,162	45.9	0.695	(0.071)	0.827	(0.102)	1.277	(0.063)
	1988	16,027	1,199	32.5	0.704	(0.069)	0.940	(0.108)	1.244	(0.064)
	1987	15,100	1,076	33.7	0.661	(0.071)	0.943	(0.110)	1.196	(0.062)
ULCER OF ESOPHAGUS 5302	1989	3,639	467	101.7	1.637	(0.222)	0.738	(0.142)	2.025	(0.182)
	1988	3,511	412	33.1	1.183	(0.151)	1.123	(0.178)	1.378	(0.157)
	1987	3,104	371	38.2	1.024	(0.147)	1.254	(0.229)	1.503	(0.174)
ESOPHAGEAL STRICTURE 5303	1989	4,266	728	239.5	1.374	(0.175)	0.769	(0.132)	2.485	(0.155)
	1988	4,441	744	209.4	1.153	(0.156)	0.914	(0.150)	2.257	(0.135)
	1987	4,716	813	291.1	1.444	(0.192)	0.744	(0.118)	2.487	(0.139)
DYSKINESIA OF ESOPHAGUS 5305	1989	3,130	147	32.9	0.640	(0.126)	1.016	(0.233)	0.642	(0.118)
	1988	3,070	179	6.2	0.807	(0.157)	1.033	(0.240)	0.841	(0.140)
	1987	2,987	156	17.3	0.583	(0.114)	1.499	(0.353)	0.679	(0.138)
ACQ ESOPHAG DIVERTICULUM 5306	1989	1,492	114	9.4	1.236	(0.261)	1.355	(0.512)	1.048	(0.383)
	1988	1,543	96	2.1	1.154	(0.248)	1.236	(0.356)	0.777	(0.262)
	1987	1,461	102	7.1	1.399	(0.320)	1.128	(0.351)	1.064	(0.308)
MALLORY-WEISS SYNDROME 5307	1989	2,426	271	33.5	2.252	(0.322)	0.552	(0.098)	1.234	(0.152)
	1988	2,471	258	20.5	1.891	(0.261)	0.714	(0.118)	0.986	(0.145)
	1987	2,098	255	26.6	1.773	(0.273)	0.738	(0.140)	1.380	(0.174)
ACUTE STOMACH ULCER NOS 53130	1989	2,625	172	14.0	0.499	(0.097)	2.794	(0.931)	0.714	(0.225)
	1988	2,791	187	5.7	0.890	(0.223)	0.682	(0.207)	1.250	(0.146)
	1987	2,705	183	18.7	0.371	(0.126)	1.391	(0.535)	1.438	(0.197)
CHR STOMACH ULCER NOS 53170	1989	573	48	12.7	0.589	(0.292)	2.432	(1.859)	1.794	(0.717)
	1988	618	25	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	597	38	12.5*	1.004	(0.065)	1.146	(0.104)	1.044	(0.059)
STOMACH ULCER NOS 53190	1989	5,575	405	14.4	0.662	(0.092)	1.434	(0.306)	1.188	(0.145)
	1988	6,171	410	9.6	0.699	(0.098)	1.105	(0.180)	1.045	(0.104)
	1987	6,586	481	8.3	0.771	(0.090)	1.559	(0.270)	0.928	(0.123)
STOMACH ULCER NOS-OBSTR 53191	1989	599	64	16.7	0.974	(0.248)	3.685	(1.835)	0.724	(0.478)
	1988	593	49	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	652	65	12.5*	1.004	(0.065)	1.146	(0.104)	1.044	(0.059)
ACUTE DUODENAL ULCER NOS 53230	1989	2,537	150	13.4	0.779	(0.216)	0.607	(0.211)	1.130	(0.148)
	1988	2,741	136	27.8	0.463	(0.124)	1.115	(0.378)	0.836	(0.140)
	1987	2,893	156	15.3	0.580	(0.124)	1.332	(0.386)	0.765	(0.149)
DUODENAL ULCER NOS 53290	1989	3,906	249	4.7	0.848	(0.149)	0.839	(0.183)	1.112	(0.138)
	1988	4,246	263	7.9	0.687	(0.109)	1.347	(0.271)	0.869	(0.130)
	1987	4,619	326	18.0	0.531	(0.102)	1.464	(0.386)	1.251	(0.145)
PEPTIC ULCER NOS 53390	1989	2,336	142	12.6	0.675	(0.212)	0.635	(0.281)	1.241	(0.169)
	1988	2,739	177	4.5	0.671	(0.149)	1.143	(0.320)	1.084	(0.168)
	1987	2,944	196	2.0	0.822	(0.170)	0.947	(0.233)	1.096	(0.152)
ACUTE GASTRITIS 5350	1989	13,768	1,203	21.4	0.965	(0.077)	0.891	(0.103)	1.331	(0.081)
	1988	13,855	1,248	20.2	0.942	(0.084)	0.846	(0.114)	1.319	(0.078)
	1987	13,831	1,123	39.8	0.690	(0.075)	0.878	(0.152)	1.263	(0.074)
ATROPHIC GASTRITIS 5351	1989	1,252	100	2.7	0.695	(0.199)	1.209	(0.618)	1.188	(0.294)
	1988	1,240	116	10.2	0.565	(0.139)	2.431	(1.051)	1.001	(0.314)
	1987	1,220	120	8.9	0.907	(0.183)	1.916	(0.522)	0.869	(0.273)
ALCOHOLIC GASTRITIS 5353	1989	1,048	67	6.0	1.153	(0.254)	2.011	(0.681)	0.396	(0.341)
	1988	1,095	69	5.3	1.478	(0.596)	0.406	(0.158)	1.431	(0.228)
	1987	1,158	76	0.3	0.876	(0.329)	0.980	(0.497)	1.051	(0.226)
GASTRITIS NEC 5354	1989	6,460	536	11.7	0.773	(0.087)	1.393	(0.257)	1.126	(0.129)
	1988	6,414	526	23.0	0.616	(0.085)	1.301	(0.238)	1.303	(0.120)
	1987	6,071	527	19.1	0.797	(0.118)	0.868	(0.167)	1.413	(0.107)
GASTRITIS/DUODENITIS NOS 5355	1989	8,590	714	31.7	0.653	(0.082)	1.102	(0.216)	1.379	(0.104)
	1988	8,943	743	43.3	0.584	(0.083)	1.054	(0.238)	1.422	(0.103)
	1987	8,720	711	29.9	0.579	(0.072)	1.254	(0.217)	1.234	(0.095)
DUODENITIS 5356	1989	2,156	126	7.5	0.583	(0.153)	1.480	(0.726)	0.841	(0.195)
	1988	2,251	133	20.4	0.268	(0.121)	1.523	(0.725)	1.264	(0.191)
	1987	2,102	105	16.4	0.440	(0.110)	2.699	(1.014)	0.587	(0.232)
AC DILATION OF STOMACH 5361	1989	171	33	16.8	4.768	(2.115)	0.204	(0.093)	2.462	(0.637)
	1988	174	30	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	178	39	32.0	6.517	(2.503)	0.262	(0.095)	2.801	(0.671)
PERSISTENT VOMITING 5362	1989	1,266	266	83.6	0.871	(0.238)	1.019	(0.357)	2.381	(0.226)
	1988	1,214	241	51.0	1.477	(0.479)	0.428	(0.203)	2.035	(0.189)
	1987	1,020	246	72.3	1.453	(0.345)	1.102	(0.409)	1.942	(0.226)
STOMACH FUNCTION DIS NEC 5368	1989	2,007	179	10.4	1.126	(0.262)	0.602	(0.168)	1.560	(0.186)
	1988	1,911	203	10.3	1.179	(0.220)	1.017	(0.246)	1.318	(0.195)
	1987	1,952	186	9.0	0.848	(0.178)	1.297	(0.316)	1.324	(0.201)
AC APPEND W PERITONITIS 5400	1989	5,397	390	84.5	2.339	(0.224)	0.817	(0.084)	0.635	(0.092)
	1988	5,835	445	150.5	2.631	(0.212)	0.811	(0.063)	0.426	(0.072)
	1987	5,665	377	110.4	2.603	(0.258)	0.660	(0.069)	0.523	(0.076)
ABSCESS OF APPENDIX 5401	1989	1,485	91	30.6	1.799	(0.316)	1.088	(0.214)	0.202	(0.129)
	1988	1,602	92	7.2	1.424	(0.310)	0.926	(0.219)	0.591	(0.164)
	1987	1,501	103	40.0	1.646	(0.249)	1.604	(0.285)	0.047	(0.131)
ACUTE APPENDICITIS NOS 5409	1989	3,480	83	67.0	0.979	(0.250)	0.509	(0.122)	0.446	(0.080)
	1988	3,664	82	97.5	0.833	(0.178)	0.854	(0.198)	0.200	(0.071)
	1987	3,651	91	72.6	0.877	(0.200)	0.716	(0.160)	0.363	(0.074)
APPENDICITIS NOS 541	1989	177	11	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	217	19	20.7	7.020	(2.526)	0.403	(0.120)	0.425	(0.313)
	1987	198	12	12.5*	1.004	(0.065)	1.146	(0.104)	1.044	(0.059)
UNILAT ING HERNIA W GANG 55000	1989	326	56	32.8	4.303	(1.057)	0.509	(0.158)	1.020	(0.493)
	1988	338	74	97.5	8.648	(1.736)	0.454	(0.092)	1.407	(0.471)
	1987	304	45	16.6	2.342	(0.593)	1.243	(0.404)	0.574	(0.561)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: GASTROINTESTINAL AND ENDOCRINE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL		PERSISTENCE		LONG TERM	
UNILAT ING HERNIA W OBST 55010	1989	7,957	580	41.4	1.168	(0.130)	0.540	(0.077)	0.964	(0.074)
	1988	8,309	649	14.9	1.078	(0.127)	0.666	(0.110)	1.038	(0.082)
	1987	8,588	650	38.7	1.409	(0.142)	0.560	(0.066)	0.918	(0.065)
RECUR UNIL ING HERN-OBST 55011	1989	2,216	140	33.1	0.464	(0.072)	4.281	(1.163)	0.187	(0.158)
	1988	2,206	119	32.3	0.537	(0.103)	1.691	(0.465)	0.421	(0.156)
	1987	2,247	135	12.5	0.665	(0.174)	0.999	(0.404)	0.842	(0.177)
UNILAT INGUINAL HERNIA 55090	1989	31,268	594	767.3	0.167	(0.018)	5.889	(1.402)	0.251	(0.050)
	1988	37,560	733	849.2	0.089	(0.017)	9.197	(5.181)	0.468	(0.052)
	1987	42,295	787	846.5	0.172	(0.019)	5.004	(1.222)	0.319	(0.049)
RECUR UNILAT INGUIN HERN 55091	1989	7,916	108	270.7	0.130	(0.033)	4.643	(2.239)	0.197	(0.087)
	1988	9,180	166	228.4	0.391	(0.168)	0.253	(0.096)	0.608	(0.053)
	1987	9,909	184	191.0	0.230	(0.046)	3.195	(1.487)	0.305	(0.121)
BILAT INGUINAL HERNIA 55092	1989	6,176	103	165.3	0.158	(0.035)	16.974	(13.93)	0.056	(0.094)
	1988	7,382	162	122.7	0.619	(0.291)	0.246	(0.146)	0.718	(0.067)
	1987	7,953	155	140.1	0.338	(0.068)	2.004	(0.726)	0.322	(0.097)
RECUR BILAT INGUIN HERN 55093	1989	1,175	27	34.7	0.228	(0.093)	9.555	(9.425)	0.078	(0.188)
	1988	1,243	34	15.6	0.608	(0.196)	1.969	(0.746)	0.238	(0.185)
	1987	1,243	25	25.4	0.177	(0.117)	20.640	(48.3)	0.166	(0.383)
UNIL FEMORAL HERN W OBST 55200	1989	3,029	210	7.0	0.932	(0.158)	0.987	(0.257)	0.756	(0.155)
	1988	3,317	288	16.7	1.726	(0.236)	0.563	(0.083)	1.069	(0.123)
	1987	3,259	262	10.5	1.565	(0.232)	0.616	(0.107)	1.002	(0.127)
UMBILICAL HERNIA W OBSTR 5521	1989	2,677	178	3.5	1.072	(0.216)	1.022	(0.289)	1.203	(0.206)
	1988	2,580	152	2.1	0.945	(0.196)	0.888	(0.227)	0.940	(0.159)
	1987	2,632	156	13.9	2.123	(0.420)	0.464	(0.098)	0.976	(0.135)
OBSTR VENTRAL HERNIA NOS 55220	1989	2,367	169	14.1	1.776	(0.266)	0.736	(0.119)	0.783	(0.151)
	1988	2,432	188	18.1	1.844	(0.298)	0.843	(0.204)	0.823	(0.213)
	1987	2,440	202	27.6	2.147	(0.303)	0.735	(0.117)	0.907	(0.155)
OBSTR INCISIONAL HERNIA 55221	1989	3,577	177	7.6	1.298	(0.243)	0.641	(0.142)	0.901	(0.130)
	1988	3,463	198	4.0	1.374	(0.238)	0.751	(0.157)	0.940	(0.142)
	1987	3,154	178	7.0	1.308	(0.205)	0.906	(0.150)	0.725	(0.120)
DIAPHRAGM HERNIA W OBSTR 5523	1989	1,020	140	58.5	2.925	(0.448)	0.805	(0.147)	1.108	(0.319)
	1988	1,018	127	37.4	2.988	(0.521)	0.600	(0.108)	1.165	(0.238)
	1987	1,004	146	49.4	2.732	(0.455)	0.753	(0.136)	1.421	(0.296)
HERNIA, SITE NEC W OBSTR 5528	1989	931	112	37.4	2.492	(0.466)	0.920	(0.240)	0.526	(0.294)
	1988	985	139	47.3	2.894	(0.454)	0.737	(0.120)	1.045	(0.250)
	1987	922	140	41.9	2.236	(0.394)	0.951	(0.227)	1.350	(0.357)
HERNIA, SITE NOS W OBSTR 5529	1989	254	34	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	242	34	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	260	33	15.8	5.057	(1.967)	0.296	(0.114)	1.749	(0.518)
UNILAT FEMORAL HERNIA 55300	1989	985	23	18.6	0.764	(0.594)	0.238	(0.143)	0.747	(0.180)
	1988	1,099	20	26.0	0.443	(0.401)	0.555	(0.689)	0.490	(0.176)
	1987	1,232	26	19.9	0.499	(0.600)	0.186	(0.186)	0.801	(0.171)
UMBILICAL HERNIA 5531	1989	1,916	48	12.8	0.885	(0.336)	0.662	(0.259)	0.653	(0.147)
	1988	2,129	43	28.0	0.327	(0.163)	1.514	(1.431)	0.513	(0.224)
	1987	2,260	64	12.2	0.426	(0.249)	0.745	(0.474)	0.984	(0.169)
VENTRAL HERNIA NOS 55320	1989	4,108	88	45.7	0.757	(0.226)	0.670	(0.239)	0.536	(0.100)
	1988	4,399	112	38.9	0.438	(0.199)	0.646	(0.378)	0.832	(0.112)
	1987	4,353	100	31.5	0.784	(0.220)	0.709	(0.196)	0.631	(0.098)
INCISIONAL HERNIA 55321	1989	11,985	172	234.3	0.425	(0.111)	0.705	(0.230)	0.425	(0.053)
	1988	11,355	195	175.3	0.521	(0.132)	0.631	(0.194)	0.512	(0.056)
	1987	10,636	187	137.6	0.515	(0.162)	0.492	(0.179)	0.617	(0.060)
VENTRAL HERNIA NEC 55329	1989	773	18	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	801	14	13.9	1.545	(1.054)	0.273	(0.190)	0.454	(0.181)
	1987	852	15	12.1	1.132	(0.693)	0.433	(0.212)	0.475	(0.176)
DIAPHRAGMATIC HERNIA 5533	1989	8,315	317	90.0	0.612	(0.079)	1.067	(0.169)	0.578	(0.077)
	1988	9,075	344	107.2	0.520	(0.074)	1.087	(0.196)	0.643	(0.079)
	1987	9,868	363	113.5	0.517	(0.083)	1.005	(0.232)	0.680	(0.082)
REG ENTERITIS, LG INTEST 5551	1989	1,103	99	36.6	1.564	(0.238)	2.990	(0.804)	0.029	(0.419)
	1988	1,082	117	67.4	2.070	(0.323)	2.037	(0.374)	0.567	(0.329)
	1987	1,018	94	39.3	1.643	(0.321)	2.297	(0.504)	0.662	(0.403)
REG ENTERIT SM/LG INTEST 5552	1989	283	26	13.6	2.216	(0.795)	2.085	(1.099)	0.683	(0.600)
	1988	306	20	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	275	29	18.6	2.197	(1.168)	1.169	(0.845)	2.508	(0.948)
REGIONAL ENTERITIS NOS 5559	1989	1,187	79	15.1	1.361	(0.246)	2.858	(0.804)	0.092	(0.431)
	1988	1,228	87	20.7	2.009	(0.434)	1.231	(0.329)	0.954	(0.344)
	1987	1,210	95	29.0	1.394	(0.382)	1.570	(0.706)	1.622	(0.497)
IDIOPATHIC PROCTOCOLITIS 556	1989	3,128	361	147.1	2.056	(0.197)	1.596	(0.226)	0.862	(0.212)
	1988	2,975	320	83.3	1.797	(0.188)	1.537	(0.231)	0.746	(0.199)
	1987	2,975	340	150.2	2.041	(0.184)	2.018	(0.301)	0.391	(0.242)
RADIATION GASTROENTERIT 5581	1989	788	164	40.9	0.884	(0.174)	13.552	(11.52)	0.562	(0.182)
	1988	771	172	38.4	0.786	(0.212)	7.853	(5.354)	1.086	(0.210)
	1987	692	163	41.0	1.261	(0.294)	3.626	(1.434)	1.101	(0.235)
NONINF GASTROENTERIT NEC 5589	1989	37,183	2,973	31.1	0.908	(0.048)	0.827	(0.064)	1.148	(0.043)
	1988	40,525	3,377	21.0	1.023	(0.050)	0.786	(0.053)	1.110	(0.039)
	1987	38,652	3,096	42.9	0.817	(0.044)	0.911	(0.070)	1.102	(0.041)
DIVERTICULOSIS SM INTEST 56200	1989	406	54	20.7	2.864	(0.673)	0.819	(0.202)	0.865	(0.398)
	1988	406	43	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	460	47	12.5*	1.004	(0.065)	1.146	(0.104)	1.044	(0.059)
DIVERTICULOSIS OF COLON 56210	1989	21,788	1,582	33.2	0.811	(0.056)	0.957	(0.113)	1.007	(0.071)
	1988	21,579	1,670	12.8	0.879	(0.056)	0.941	(0.081)	1.059	(0.061)
	1987	20,471	1,525	17.6	0.887	(0.057)	1.049	(0.096)	0.875	(0.060)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: GASTROINTESTINAL AND ENDOCRINE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
DIVERTICULITIS DF COLDN 56211	1989	46,743	3,367	48.7	1.133	(0.041)	1.109	(0.058)	0.757	(0.041)
	1988	47,300	3,424	73.3	1.136	(0.041)	1.129	(0.056)	0.689	(0.039)
	1987	46,242	3,362	92.2	1.317	(0.050)	0.982	(0.050)	0.760	(0.038)
CONSTIPATION 5640	1989	3,547	466	72.1	0.503	(0.098)	1.372	(0.455)	1.897	(0.167)
	1988	3,425	473	54.9	0.777	(0.144)	0.850	(0.223)	1.847	(0.143)
	1987	3,423	435	45.6	0.537	(0.110)	1.184	(0.353)	1.699	(0.149)
IRRITABLE COLDN 5641	1989	4,941	494	30.7	1.523	(0.128)	1.029	(0.118)	0.686	(0.110)
	1988	5,462	529	5.6	1.087	(0.103)	1.208	(0.167)	0.794	(0.106)
	1987	5,508	487	0.6	0.961	(0.108)	1.135	(0.186)	0.943	(0.106)
MEGACOLON NEC 5647	1989	491	112	91.3	2.346	(0.519)	1.340	(0.560)	2.826	(0.970)
	1988	485	118	115.0	3.966	(0.756)	1.073	(0.372)	1.849	(0.895)
	1987	417	95	12.5*	1.004	(0.065)	1.146	(0.104)	1.044	(0.059)
FUNCTIONAL DIS INTESTINE NEC 5648	1989	1,029	170	54.6	1.208	(0.188)	2.723	(1.181)	1.161	(0.607)
	1988	1,016	187	73.4	1.256	(0.216)	2.176	(0.567)	1.608	(0.444)
	1987	1,050	181	63.9	1.337	(0.202)	2.812	(0.752)	0.932	(0.399)
ANAL FISSURE 5650	1989	1,288	44	5.2	0.808	(0.350)	0.804	(0.333)	0.767	(0.194)
	1988	1,625	52	7.5	0.285	(0.215)	1.330	(1.030)	1.062	(0.230)
	1987	1,820	55	8.1	0.372	(0.170)	2.191	(1.922)	0.759	(0.299)
ANAL FISTULA 5651	1989	1,708	57	5.0	1.436	(0.489)	0.560	(0.188)	0.832	(0.176)
	1988	1,948	60	9.6	0.954	(0.393)	0.582	(0.257)	0.779	(0.149)
	1987	2,169	70	3.0	1.260	(0.495)	0.649	(0.347)	0.864	(0.192)
ANAL & RECTAL ABSCESS 566	1989	3,379	260	8.6	1.338	(0.202)	1.060	(0.223)	0.996	(0.140)
	1988	3,553	296	10.2	1.125	(0.165)	1.325	(0.254)	1.000	(0.133)
	1987	3,634	302	14.6	0.942	(0.140)	2.014	(0.551)	0.871	(0.168)
PERITONEAL ADHESIONS 5680	1989	1,250	64	3.9	0.984	(0.234)	1.616	(0.545)	0.466	(0.251)
	1988	1,274	63	0.7	0.964	(0.303)	1.173	(0.573)	0.777	(0.296)
	1987	1,321	73	1.8	0.971	(0.293)	0.895	(0.402)	0.845	(0.227)
HEMOPERITONEUM 56881	1989	208	46	43.8	5.377	(1.420)	0.827	(0.277)	1.097	(0.518)
	1988	257	72	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	210	40	29.6	4.884	(1.283)	0.575	(0.173)	0.495	(0.338)
PERITONEAL DISORDER NEC 56889	1989	298	50	59.2	9.227	(2.420)	0.406	(0.111)	1.463	(0.528)
	1988	317	55	76.4	18.229	(6.055)	0.107	(0.045)	2.569	(0.612)
	1987	248	44	62.0	9.872	(2.597)	0.477	(0.147)	1.334	(0.623)
RECTAL PROLAPSE 5691	1989	2,309	172	18.1	1.033	(0.132)	2.297	(0.533)	0.288	(0.296)
	1988	2,307	179	6.5	1.144	(0.238)	0.902	(0.259)	1.376	(0.228)
	1987	2,291	185	23.5	0.737	(0.133)	2.763	(0.869)	0.957	(0.335)
RECTAL & ANAL STENOSIS 5692	1989	947	40	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	1,139	51	2.0	0.706	(0.245)	1.448	(0.632)	0.762	(0.270)
	1987	1,233	63	6.4	0.488	(0.163)	4.127	(2.637)	0.747	(0.333)
RECTAL & ANAL ULCER 56941	1989	672	88	19.9	1.071	(0.310)	1.490	(0.614)	1.836	(0.476)
	1988	651	92	26.0	1.338	(0.288)	2.094	(0.648)	1.065	(0.447)
	1987	640	73	13.3	1.485	(0.488)	1.035	(0.491)	1.636	(0.437)
RECTAL & ANAL DIS NEC 56949	1989	844	118	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	889	113	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	874	121	20.5	0.998	(0.276)	2.224	(0.771)	1.275	(0.259)
INTESTINAL ABSCESS 5695	1989	634	102	62.1	2.917	(0.497)	1.313	(0.291)	0.906	(0.389)
	1988	641	116	105.4	4.819	(0.819)	0.890	(0.175)	1.321	(0.410)
	1987	629	95	54.4	3.108	(0.575)	1.146	(0.224)	1.055	(0.353)
ENTEROSTOMY MALFUNCTION 5696	1989	2,817	332	25.5	1.221	(0.183)	1.003	(0.198)	1.424	(0.151)
	1988	2,853	305	17.1	1.506	(0.234)	0.823	(0.173)	1.244	(0.142)
	1987	2,886	334	31.6	1.156	(0.182)	1.146	(0.282)	1.444	(0.168)
INTESTINAL DISORDER NOS 5699	1989	144	23	22.9	8.836	(4.705)	0.271	(0.195)	1.905	(0.865)
	1988	165	22	12.5	6.081	(2.674)	0.218	(0.080)	1.450	(0.481)
	1987	145	21	12.9	7.224	(4.829)	0.125	(0.070)	2.527	(0.654)
CHRONIC LIVER DIS NEC 5718	1989	356	46	36.6	3.518	(0.933)	1.295	(0.349)	1.184	(0.537)
	1988	380	36	17.4	1.551	(0.449)	3.389	(1.646)	0.378	(0.764)
	1987	419	42	16.2	3.188	(1.495)	0.752	(0.499)	1.571	(0.490)
CHRONIC LIVER DIS NOS 5719	1989	170	74	122.2	3.446	(1.025)	1.221	(0.539)	6.657	(1.746)
	1988	180	79	144.1	4.843	(1.210)	1.156	(0.478)	6.177	(2.257)
	1987	193	67	95.9	5.004	(1.114)	1.291	(0.530)	2.728	(1.289)
CHOLELITH W AC CHOLECYST 57400	1989	37,382	1,977	244.7	1.089	(0.049)	0.976	(0.053)	0.497	(0.033)
	1988	35,992	2,108	137.1	1.072	(0.051)	0.963	(0.056)	0.625	(0.037)
	1987	35,506	1,988	197.4	1.031	(0.049)	1.029	(0.062)	0.544	(0.036)
CHOLELITH W CHOLECYS NEC 57410	1989	52,542	1,755	282.6	0.870	(0.049)	0.951	(0.068)	0.587	(0.032)
	1988	54,249	1,923	264.6	0.890	(0.048)	1.001	(0.067)	0.581	(0.032)
	1987	52,938	1,977	195.5	0.919	(0.049)	1.031	(0.067)	0.615	(0.033)
CHOLELITHIASIS NOS 57420	1989	8,085	537	8.0	0.791	(0.095)	1.002	(0.181)	1.070	(0.105)
	1988	8,245	527	17.8	0.732	(0.092)	0.991	(0.172)	0.991	(0.094)
	1987	8,694	548	26.6	0.734	(0.080)	1.319	(0.229)	0.709	(0.094)
CHOLEDOCHLITH/AC GB INF 57430	1989	1,497	85	11.5	0.946	(0.197)	1.101	(0.292)	0.447	(0.171)
	1988	1,506	112	3.6	1.283	(0.238)	0.986	(0.197)	0.704	(0.184)
	1987	1,524	108	10.9	1.384	(0.247)	1.031	(0.216)	0.472	(0.163)
CHOLEDOCHLITH/GB INF NEC 57440	1989	1,730	94	11.2	0.967	(0.180)	1.274	(0.299)	0.394	(0.161)
	1988	1,825	100	8.1	0.797	(0.177)	1.094	(0.261)	0.666	(0.166)
	1987	1,868	98	9.5	1.005	(0.212)	0.986	(0.227)	0.569	(0.150)
CHOLEDOCHLITHIASIS NOS 57450	1989	3,171	154	65.8	0.496	(0.069)	2.144	(0.539)	0.196	(0.136)
	1988	3,204	202	25.4	0.762	(0.144)	0.751	(0.172)	0.883	(0.124)
	1987	3,269	181	37.8	0.783	(0.144)	0.776	(0.169)	0.691	(0.110)
ACUTE CHOLECYSTITIS 5750	1989	7,326	698	97.9	2.000	(0.145)	0.750	(0.068)	0.672	(0.082)
	1988	7,926	838	90.9	1.846	(0.129)	0.870	(0.076)	0.802	(0.084)
	1987	8,315	852	63.5	1.791	(0.137)	0.763	(0.073)	1.030	(0.087)

* ESTIMATE IMPUTED

TABLE 4B
ICO-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: GASTROINTESTINAL AND ENDOCRINE DISORDERS

ICO-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
CHOLECYSTITIS NEC 5751	1989	3,822	234	22.8	1.991	(0.283)	0.565	(0.085)	0.862	(0.110)
	1988	4,135	253	0.0	0.983	(0.163)	1.004	(0.222)	1.016	(0.139)
	1987	4,224	244	6.4	1.175	(0.181)	0.923	(0.202)	0.756	(0.130)
OBSTRUCTION GALLBLADDER 5752	1989	77	20	12.4	4.281	(2.594)	0.375	(0.305)	2.590	(0.902)
	1988	72	14	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	102	19	12.5*	1.004	(0.065)	1.146	(0.104)	1.044	(0.059)
FISTULA OF GALLBLADDER 5755	1989	105	15	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	90	10	24.4*	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	116	21	16.9	4.090	(1.635)	0.902	(0.430)	1.595	(1.226)
CHRONIC PANCREATITIS 5771	1989	1,748	162	26.7	0.564	(0.127)	4.280	(2.067)	1.166	(0.323)
	1988	1,864	182	22.6	0.826	(0.160)	2.154	(0.858)	1.278	(0.316)
	1987	1,902	180	25.6	0.890	(0.243)	1.051	(0.364)	1.869	(0.264)
PANCREATIC DISEASE NOS 5779	1989	111	32	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	118	28	36.9	1.400	(0.834)	6.358	(6.584)	2.803	(2.261)
	1987	137	35	46.5	1.812	(2.735)	0.176	(0.311)	6.244	(1.180)
INTEST POSTOP NONABSORB 5793	1989	285	56	32.1	1.897	(0.447)	4.517	(2.139)	0.388	(0.449)
	1988	300	56	33.4	2.038	(0.561)	2.456	(1.237)	1.278	(0.802)
	1987	300	63	58.9	4.086	(1.857)	0.463	(0.294)	3.838	(0.788)
INTEST MALABSORPTION NEC 5798	1989	176	21	12.5*	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	175	28	13.9	2.767	(1.229)	0.744	(0.399)	2.210	(0.978)
	1987	205	36	25.7	1.050	(0.579)	5.210	(4.019)	1.644	(1.233)
INTEST MALABSORPTION NOS 5799	1989	155	26	19.2	1.665	(0.863)	1.823	(1.680)	2.729	(1.678)
	1988	176	29	21.3	0.761	(0.707)	3.517	(3.976)	2.926	(1.786)
	1987	212	30	12.5	4.249	(2.412)	0.330	(0.193)	2.168	(0.572)
* ESTIMATE IMPUTED										
UNSPECIFIED CODES										
(USED TO IMPUTE ESTIMATES)										
	1989	26,881	1,753	12.5	1.033	(0.064)	1.139	(0.110)	1.021	(0.062)
	1988	27,406	1,920	24.4	0.981	(0.058)	1.259	(0.104)	1.022	(0.057)
	1987	26,393	1,659	12.5	1.004	(0.065)	1.146	(0.104)	1.044	(0.059)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: GENITOURINARY AND REPRODUCTIVE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK				LONG TERM
					EXCESS	INITIAL	PERSISTENCE		
CHRONIC NEPHRITIS NEC 58289	1989	62	11	14.3	0.511	(1.615)	11.615	(34.58)	5.237 (3.725)
	1988	72	10	20.0*	0.882	(0.059)	1.508	(0.221)	1.145 (0.094)
	1987	68	9	52.8*	1.093	(0.061)	1.042	(0.138)	1.375 (0.084)
CHRONIC NEPHRITIS NOS 5829	1989	353	82	91.8	2.148	(0.512)	28.417	(19.94)	1.522 (1.319)
	1988	405	99	122.8	3.027	(0.502)	4.059	(2.140)	2.655 (0.961)
	1987	424	105	52.8*	1.093	(0.061)	1.042	(0.138)	1.375 (0.084)
NEPHRITIS NEC 58389	1989	151	14	57.5*	0.935	(0.061)	1.772	(0.290)	1.280 (0.103)
	1988	164	22	16.0	1.552	(0.563)	7.473	(5.452)	0.719 (1.007)
	1987	173	22	52.8*	1.093	(0.061)	1.042	(0.138)	1.375 (0.084)
NEPHRITIS NOS 5839	1989	192	21	12.8	1.597	(0.791)	1.648	(1.642)	2.818 (0.982)
	1988	217	21	20.0*	0.882	(0.059)	1.508	(0.221)	1.145 (0.094)
	1987	218	24	13.2	1.605	(0.725)	2.823	(2.449)	1.983 (0.864)
IMPAIRED RENAL FUNCT NEC 5888	1989	751	89	65.7	0.940	(0.321)	4.139	(8.462)	3.332 (0.756)
	1988	758	99	67.8	2.010	(0.361)	4.294	(2.061)	1.929 (0.436)
	1987	764	75	22.6	1.365	(0.292)	4.428	(2.091)	1.392 (0.318)
AC PYELONEPHRITIS NOS 59010	1989	14,820	1,445	164.3	1.196	(0.065)	0.923	(0.119)	1.842 (0.121)
	1988	15,369	1,628	195.4	1.214	(0.057)	1.087	(0.148)	1.850 (0.157)
	1987	15,540	1,725	197.9	1.283	(0.058)	0.951	(0.142)	1.740 (0.128)
AC PYELONEPHR W MED NECR 59011	1989	54	8	57.5*	0.935	(0.061)	1.772	(0.290)	1.280 (0.103)
	1988	44	2	20.0*	0.882	(0.059)	1.508	(0.221)	1.145 (0.094)
	1987	66	10	20.4	16.811	(8.765)	0.126	(0.071)	3.546 (2.032)
PYELONEPHRITIS NOS 59080	1989	6,927	684	98.6	1.168	(0.095)	1.018	(0.218)	1.995 (0.204)
	1988	7,522	776	80.6	1.230	(0.083)	0.932	(0.147)	1.827 (0.188)
	1987	7,913	884	112.4	1.198	(0.077)	1.080	(0.205)	1.859 (0.184)
CALCULUS OF KIDNEY 5920	1989	11,221	306	21.6	0.817	(0.121)	0.603	(0.151)	0.990 (0.089)
	1988	13,110	333	36.4	0.563	(0.081)	1.107	(0.290)	0.934 (0.094)
	1987	13,993	400	13.4	0.741	(0.089)	1.020	(0.229)	0.953 (0.087)
CALCULUS OF URETER 5921	1989	21,786	315	293.4	0.428	(0.056)	0.961	(0.180)	0.450 (0.043)
	1988	22,657	362	276.9	0.456	(0.068)	0.738	(0.196)	0.553 (0.053)
	1987	23,177	363	316.4	0.441	(0.055)	1.052	(0.240)	0.438 (0.044)
BLADDER CALCULUS NEC 5941	1989	3,161	145	3.7	1.041	(0.182)	1.307	(0.481)	1.154 (0.220)
	1988	3,278	160	12.1	0.798	(0.113)	6.339	(3.151)	0.704 (0.332)
	1987	3,341	186	22.2	0.938	(0.122)	4.782	(2.023)	0.806 (0.371)
URETHRAL CALCULUS 5942	1989	415	14	57.5*	0.935	(0.061)	1.772	(0.290)	1.280 (0.103)
	1988	434	11	14.7	2.653	(1.107)	0.229	(0.094)	0.149 (0.149)
	1987	542	20	52.8*	1.093	(0.061)	1.042	(0.138)	1.375 (0.084)
ACUTE CYSTITIS 5950	1989	3,290	437	106.4	0.992	(0.105)	3.043	(0.875)	1.824 (0.336)
	1988	3,517	448	80.0	0.837	(0.089)	2.658	(1.014)	2.241 (0.407)
	1987	3,686	497	82.3	0.895	(0.091)	1.614	(0.532)	2.284 (0.298)
CHRONIC CYSTITIS NEC 5952	1989	1,075	69	5.8	0.750	(0.248)	1.360	(0.710)	1.723 (0.429)
	1988	1,249	68	7.9	0.560	(0.216)	0.969	(1.326)	1.819 (0.497)
	1987	1,459	82	11.3	0.466	(0.160)	2.451	(1.927)	1.600 (0.444)
IRRADIATION CYSTITIS 59582	1989	649	87	32.5	0.496	(0.164)	8.269	(16.89)	3.026 (0.980)
	1988	679	96	17.0	1.288	(0.241)	10.908	(6.270)	0.317 (0.556)
	1987	701	114	35.9	1.142	(0.183)	3.512	(4.964)	2.297 (1.300)
CYSTITIS NEC 59589	1989	416	39	57.5*	0.935	(0.061)	1.772	(0.290)	1.280 (0.103)
	1988	408	58	23.2	1.476	(0.499)	0.350	(0.212)	3.707 (0.872)
	1987	463	55	17.9	1.038	(0.250)	8.247	(6.778)	1.285 (0.842)
CYSTITIS NOS 5959	1989	1,889	245	39.0	0.958	(0.129)	3.167	(1.280)	1.540 (0.403)
	1988	2,196	328	75.8	1.108	(0.122)	2.503	(1.043)	2.130 (0.505)
	1987	2,502	330	47.4	1.117	(0.127)	1.110	(0.386)	2.105 (0.333)
BLADDER NECK OBSTRUCTION 5960	1989	9,720	462	6.1	0.931	(0.105)	0.651	(0.172)	1.194 (0.102)
	1988	9,519	447	5.3	0.844	(0.082)	1.653	(0.642)	0.792 (0.151)
	1987	9,536	463	3.7	0.977	(0.095)	0.684	(0.188)	1.067 (0.107)
VESICAL FISTULA NEC 5962	1989	88	13	57.5*	0.935	(0.061)	1.772	(0.290)	1.280 (0.103)
	1988	92	19	19.0	2.660	(1.136)	3.016	(3.785)	2.876 (2.464)
	1987	104	22	52.8*	1.093	(0.061)	1.042	(0.138)	1.375 (0.084)
ATONY OF BLADDER 5964	1989	377	46	18.0	0.658	(0.348)	2.124	(2.675)	3.060 (0.983)
	1988	404	46	20.0*	0.882	(0.059)	1.508	(0.221)	1.145 (0.094)
	1987	461	37	52.8*	1.093	(0.061)	1.042	(0.138)	1.375 (0.084)
BLADDER DYSFUNCTION NEC 5965	1989	593	58	21.2	1.024	(0.412)	0.785	(0.571)	3.037 (0.684)
	1988	568	48	17.4	0.578	(0.305)	5.043	(5.240)	2.570 (1.133)
	1987	534	41	52.8*	1.093	(0.061)	1.042	(0.138)	1.375 (0.084)
BLADDER DISORDER NEC 5968	1989	1,246	95	12.3	0.909	(0.141)	4.886	(2.090)	1.000 (0.340)
	1988	1,346	115	7.8	1.213	(0.253)	0.563	(0.288)	1.664 (0.424)
	1987	1,428	134	21.3	1.423	(0.174)	2.595	(1.349)	0.758 (0.424)
URETHRAL ABSCESS 5970	1989	145	27	57.5*	0.935	(0.061)	1.772	(0.290)	1.280 (0.103)
	1988	157	22	17.7	4.954	(2.023)	0.168	(0.087)	2.537 (1.054)
	1987	137	23	20.0	3.776	(1.123)	1.174	(0.606)	1.281 (1.153)
URETHRAL STRICTURE NEC 5988	1989	1,599	83	13.2	0.420	(0.201)	0.790	(0.807)	1.772 (0.294)
	1988	1,800	100	9.5	0.714	(0.163)	6.373	(4.113)	0.780 (0.454)
	1987	1,737	107	12.6	0.675	(0.148)	3.232	(1.996)	1.359 (0.381)
URETHRAL STRICTURE NOS 5989	1989	3,647	224	8.2	1.098	(0.168)	0.716	(0.211)	1.409 (0.176)
	1988	4,051	208	8.0	0.930	(0.194)	0.398	(0.192)	1.548 (0.189)
	1987	4,678	251	5.4	0.888	(0.148)	0.599	(0.356)	1.387 (0.197)
URETHRAL FISTULA 5991	1989	152	16	57.5*	0.935	(0.061)	1.772	(0.290)	1.280 (0.103)
	1988	160	28	31.2	1.889	(0.756)	56.368	(375.6)	2.249 (2.055)
	1987	196	29	17.4	1.079	(0.518)	1.583	(1.589)	4.286 (1.479)
URETHRAL CARUNCLE 5993	1989	393	12	57.5*	0.935	(0.061)	1.772	(0.290)	1.280 (0.103)
	1988	514	11	20.0*	0.882	(0.059)	1.508	(0.221)	1.145 (0.094)
	1987	617	16	12.3	0.236	(0.801)	0.017	(0.035)	1.757 (0.454)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: GENITOURINARY AND REPRODUCTIVE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
HEMATURIA 5997	1989	5,855	948	207.5	1.428	(0.079)	1.904	(0.362)	1.579	(0.195)
	1988	6,444	1,025	184.6	1.278	(0.088)	1.236	(0.214)	1.968	(0.191)
	1987	7,110	1,022	149.5	1.150	(0.069)	1.149	(0.297)	2.054	(0.196)
URINARY TRACT DIS NEC 5998	1989	339	32	57.5*	0.935	(0.061)	1.772	(0.290)	1.280	(0.103)
	1988	373	54	25.2	1.760	(0.714)	0.111	(0.076)	3.850	(0.858)
	1987	427	44	52.8*	1.093	(0.061)	1.042	(0.138)	1.375	(0.084)
HYPERPLASIA OF PROSTATE 600	1989	142,716	3,823	93.8	0.746	(0.033)	1.263	(0.124)	0.885	(0.028)
	1988	150,867	4,389	74.8	0.770	(0.028)	1.407	(0.114)	0.892	(0.032)
	1987	154,350	4,560	82.8	0.778	(0.027)	1.295	(0.116)	0.898	(0.030)
ACUTE PROSTATITIS 6010	1989	2,355	86	7.2	0.556	(0.438)	0.660	(1.775)	1.190	(0.312)
	1988	2,398	80	7.1	0.736	(0.167)	1.648	(1.253)	0.579	(0.279)
	1987	2,539	93	6.3	0.723	(0.143)	2.084	(0.728)	0.673	(0.182)
PROSTATITIS NOS 6019	1989	400	24	57.5*	0.935	(0.061)	1.772	(0.290)	1.280	(0.103)
	1988	437	17	20.0*	0.882	(0.059)	1.508	(0.221)	1.145	(0.094)
	1987	539	20	15.0	2.336	(0.732)	0.507	(0.214)	0.124	(0.131)
HYDROCELE NOS 6039	1989	1,756	30	4.6	0.457	(1.025)	0.600	(5.336)	0.936	(0.636)
	1988	2,168	37	6.0	0.581	(0.337)	0.573	(0.445)	0.944	(0.203)
	1987	2,560	45	5.3	0.507	(0.195)	2.311	(2.057)	0.720	(0.235)
ORCHITIS/EPIIDIDYMIT NOS 60490	1989	1,747	59	12.5	0.760	(0.367)	0.178	(0.178)	1.183	(0.196)
	1988	2,029	67	12.1	0.454	(0.150)	1.643	(1.459)	0.855	(0.261)
	1987	2,215	80	14.6	0.483	(0.137)	1.054	(0.776)	0.953	(0.197)
ORCHITIS/EPIDIDYMIT NEC 60499	1989	1,137	44	1.6	0.934	(0.333)	0.688	(0.612)	0.896	(0.279)
	1988	1,306	57	0.4	1.098	(0.345)	0.693	(0.398)	1.091	(0.289)
	1987	1,429	65	2.5	0.854	(0.261)	0.615	(0.329)	1.164	(0.236)
BALANOPOSTHITIS 6071	1989	178	18	15.1	7.141	(4.520)	0.035	(0.024)	3.433	(1.017)
	1988	220	19	20.0*	0.882	(0.059)	1.508	(0.221)	1.145	(0.094)
	1987	259	20	52.8*	1.093	(0.061)	1.042	(0.138)	1.375	(0.084)
IMPOTENCE, ORGANIC ORIGIN 60784	1989	4,698	43	6.0	1.000	(.)	1.000	(.)	0.684	(0.114)
	1988	4,887	43	34.4	0.061	(0.428)	0.110	(0.306)	0.679	(0.106)
	1987	4,757	40	27.2	0.235	(0.251)	0.514	(0.557)	0.655	(0.114)
MALE GEN VASCUL DIS NEC 60883	1989	197	29	57.5*	0.935	(0.061)	1.772	(0.290)	1.280	(0.103)
	1988	165	22	21.7	8.670	(5.957)	0.060	(0.039)	4.891	(1.263)
	1987	173	15	52.8*	1.093	(0.061)	1.042	(0.138)	1.375	(0.084)
DIFFUS CYSTIC MASTOPATHY 6101	1989	1,446	17	8.9	0.163	(0.169)	2.023	(2.785)	0.929	(0.344)
	1988	2,306	15	28.3	0.307	(0.251)	0.377	(0.356)	0.538	(0.179)
	1987	2,719	22	23.3	0.209	(0.140)	1.510	(0.996)	0.577	(0.198)
HYPERTROPHY OF BREAST 6111	1989	1,459	12	6.9	0.781	(0.768)	0.188	(0.278)	0.660	(0.228)
	1988	1,678	8	20.8	0.489	(0.611)	0.213	(0.366)	0.377	(0.171)
	1987	1,837	16	9.7	0.529	(0.385)	0.674	(0.601)	0.568	(0.205)
ACUTE PARAMETRITIS 6143	1989	202	21	57.5*	0.935	(0.061)	1.772	(0.290)	1.280	(0.103)
	1988	212	19	20.0*	0.882	(0.059)	1.508	(0.221)	1.145	(0.094)
	1987	207	32	30.0	1.176	(0.880)	7.782	(35.64)	5.019	(8.651)
CHRONIC PARAMETRITIS 6144	1989	194	22	12.6	2.367	(0.672)	1.731	(1.207)	1.102	(1.240)
	1988	226	25	20.0*	0.882	(0.059)	1.508	(0.221)	1.145	(0.094)
	1987	221	28	52.8*	1.093	(0.061)	1.042	(0.138)	1.375	(0.084)
UTERINE INFLAM OIS NOS 6159	1989	124	8	57.5*	0.935	(0.061)	1.772	(0.290)	1.280	(0.103)
	1988	166	19	20.0*	0.882	(0.059)	1.508	(0.221)	1.145	(0.094)
	1987	168	21	14.6	2.953	(1.393)	0.240	(0.148)	4.061	(1.531)
PROLAPSE OF VAGINAL WALL 6180	1989	14,106	66	135.9	0.643	(0.268)	0.351	(0.199)	0.353	(0.063)
	1988	14,181	61	158.6	0.262	(0.154)	0.711	(0.770)	0.354	(0.091)
	1987	13,699	64	144.1	0.169	(0.068)	1.357	(0.570)	0.372	(0.072)
UTERINE PROLAPSE 6181	1989	2,660	27	16.7	0.474	(0.224)	0.784	(0.436)	0.611	(0.193)
	1988	2,945	26	27.0	0.385	(0.248)	0.485	(0.723)	0.677	(0.231)
	1987	2,745	28	28.4	0.316	(0.175)	0.543	(0.373)	0.746	(0.190)
UTEROVAG PROLAPSE-INCOMPL 6182	1989	4,436	18	41.0	0.769	(0.579)	0.179	(0.113)	0.397	(0.110)
	1988	4,231	19	36.4	0.213	(0.182)	0.811	(0.622)	0.445	(0.134)
	1987	3,620	14	40.0	0.569	(0.473)	0.267	(0.243)	0.342	(0.116)
UTEROVAG PROLAPSE-COMPLET 6183	1989	7,667	61	46.5	0.524	(0.142)	1.108	(0.433)	0.386	(0.108)
	1988	7,471	59	57.4	0.308	(0.093)	1.508	(0.829)	0.469	(0.142)
	1987	6,790	40	92.0	0.142	(0.055)	3.028	(2.329)	0.330	(0.144)
UTERVAGINAL PROLAPSE NOS 6184	1989	5,462	33	38.8	0.367	(0.204)	0.672	(0.450)	0.504	(0.119)
	1988	5,682	27	58.6	0.301	(0.157)	0.718	(0.473)	0.375	(0.109)
	1987	5,820	33	46.7	0.372	(0.166)	0.824	(0.390)	0.411	(0.109)
POSTOP VAGINAL PROLAPSE 6185	1989	3,310	10	48.3	0.140	(0.345)	0.134	(0.213)	0.339	(0.113)
	1988	2,608	12	24.8	0.480	(0.271)	0.762	(0.382)	0.260	(0.129)
	1987	1,944	10	17.2	0.288	(0.203)	1.416	(0.978)	0.318	(0.177)
VAGINAL ENTEROCHELE 6186	1989	1,601	8	16.5	0.426	(0.255)	1.459	(1.059)	0.145	(0.148)
	1988	1,593	7	20.3	1.434	(1.085)	0.212	(0.142)	0.254	(0.159)
	1987	1,541	9	16.3	0.017	(0.152)	1.475	(5.109)	0.645	(0.270)
GENITAL PROLAPSE NEC 6188	1989	2,131	9	21.5	0.140	(0.101)	4.337	(3.813)	0.222	(0.204)
	1988	2,187	10	22.8	1.286	(0.769)	0.408	(0.252)	0.170	(0.122)
	1987	2,054	8	22.9	1.785	(1.944)	0.070	(0.055)	0.369	(0.151)
URIN-GENITAL FISTUL, FEM 6190	1989	137	31	57.5*	0.935	(0.061)	1.772	(0.290)	1.280	(0.103)
	1988	132	29	41.4	4.707	(2.013)	0.226	(0.151)	6.992	(2.428)
	1987	144	14	52.8*	1.093	(0.061)	1.042	(0.138)	1.375	(0.084)
OVARIAN CYST NEC/NOS 6202	1989	2,272	36	4.4	0.596	(0.331)	0.990	(1.516)	0.902	(0.397)
	1988	2,243	41	3.5	0.742	(0.242)	0.821	(0.365)	0.936	(0.279)
	1987	2,055	34	6.6	0.565	(0.290)	0.627	(0.657)	1.050	(0.309)
ENDOMETRIAL HYPERPLASIA 6213	1989	2,060	17	10.1	0.921	(0.657)	0.239	(0.172)	0.677	(0.203)
	1988	2,296	23	10.0	0.282	(0.127)	3.811	(3.424)	0.544	(0.350)
	1987	2,170	21	19.8	0.313	(0.109)	5.420	(2.287)	0.213	(0.202)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: GENITOURINARY AND REPRODUCTIVE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
NONINFLAM DIS VAGINA NEC 6238	1989	394	87	35.5	1.325	(0.273)	15.220	(10.66)	0.328	(1.336)
	1988	403	81	34.6	0.931	(0.323)	8.294	(6.531)	2.918	(1.652)
	1987	509	97	24.6	1.400	(0.210)	3.858	(1.979)	0.675	(1.073)
FEM STRESS INCONTINENCE 6256	1989	9,611	52	72.8	0.242	(0.119)	0.874	(0.425)	0.488	(0.089)
	1988	8,435	45	76.4	0.243	(0.086)	1.626	(0.851)	0.345	(0.105)
	1987	7,631	40	76.9	0.214	(0.063)	3.718	(1.584)	0.188	(0.102)
POSTMENOPAUSAL BLEEDING 6271	1989	2,678	100	10.3	0.581	(0.140)	1.165	(0.532)	1.526	(0.274)
	1988	3,161	104	14.6	0.550	(0.134)	0.880	(0.346)	1.604	(0.278)
	1987	3,758	120	24.8	0.467	(0.100)	1.039	(0.497)	1.328	(0.229)
* ESTIMATE IMPUTED										
UNSPECIFIED CODES										
(USED TO IMPUTE ESTIMATES)										
	1989	24,822	940	57.5	0.935	(0.061)	1.772	(0.290)	1.280	(0.103)
	1988	25,851	913	20.0	0.882	(0.059)	1.508	(0.221)	1.145	(0.094)
	1987	28,577	1,243	52.8	1.093	(0.061)	1.042	(0.138)	1.375	(0.084)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
LOW RISK DISORDERS: NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
SENILE DEMENTIA UNCOMP 2900	1989	2,375	450	175.4	0.999	(0.158)	5.532	(2.370)	1.644	(0.254)
	1988	3,104	592	203.5	1.004	(0.135)	2.397	(0.837)	1.971	(0.232)
	1987	3,241	643	289.5	1.513	(0.165)	3.049	(0.764)	1.635	(0.247)
PRESENILE DEMENTIA 29010	1989	3,517	650	390.2	1.387	(0.168)	5.053	(1.526)	1.736	(0.302)
	1988	3,384	672	456.7	1.426	(0.166)	4.457	(1.367)	1.998	(0.366)
	1987	3,245	583	323.5	1.223	(0.154)	3.992	(1.481)	2.007	(0.324)
PRESENILE DELIRIUM 29011	1989	891	159	72.4	0.857	(0.251)	2.832	(1.342)	2.263	(0.397)
	1988	466	88	53.5	0.790	(0.385)	1.665	(1.434)	3.114	(0.603)
	1987	388	68	37.2	1.690	(0.440)	6.815	(4.531)	0.529	(0.709)
PRESENILE DELUSION 29012	1989	308	46	21.3	1.539	(0.605)	9.061	(8.177)	0.300	(1.148)
	1988	291	43	18.6	1.360	(0.519)	2.467	(1.917)	1.777	(0.958)
	1987	250	43	24.7	1.438	(0.639)	3.232	(2.898)	2.013	(1.236)
PRESENILE DEPRESSION 29013	1989	78	8	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	56	6	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	53	11	14.9	4.882	(2.588)	1.963	(1.476)	1.576	(1.870)
SENILE DELUSION 29020	1989	909	145	49.8	0.718	(0.233)	6.918	(7.908)	1.699	(0.421)
	1988	1,040	173	69.3	0.348	(0.207)	3.461	(7.766)	2.503	(0.545)
	1987	1,066	151	46.8	0.414	(0.218)	1.000	(.)	2.321	(0.236)
SENILE DEPRESSIVE 29021	1989	331	41	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	371	67	33.3	0.747	(0.344)	6.797	(15.88)	2.270	(1.097)
	1987	465	75	32.5	0.743	(0.357)	1.011	(0.977)	2.813	(0.473)
SENILE DELIRIUM 2903	1989	2,511	480	161.3	1.328	(0.151)	6.636	(2.289)	0.970	(0.228)
	1988	2,688	512	161.5	1.000	(0.130)	4.250	(1.472)	1.537	(0.249)
	1987	2,566	475	144.2	1.141	(0.144)	5.131	(1.856)	1.252	(0.240)
ARTERIOSCLER DEMENT NOS 29040	1989	2,170	438	252.5	1.413	(0.191)	3.721	(1.300)	1.959	(0.346)
	1988	2,091	442	254.2	1.220	(0.183)	4.011	(1.647)	2.133	(0.421)
	1987	1,842	436	332.9	1.638	(0.225)	4.012	(1.382)	2.235	(0.401)
ARTERIOSCLER DELIRIUM 29041	1989	1,043	214	92.6	1.798	(0.288)	2.540	(1.263)	1.483	(0.522)
	1988	916	195	96.6	1.198	(0.240)	11.132	(8.562)	1.283	(0.517)
	1987	810	180	115.3	1.779	(0.319)	9.915	(5.929)	0.734	(0.564)
ARTERIOSCLER DEPRESSIVE 29043	1989	104	17	12.1	0.638	(1.144)	6.045	(15.59)	2.871	(2.083)
	1988	92	15	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	103	21	24.2	1.164	(1.199)	9.782	(29.62)	3.732	(2.522)
SENILE PSYCHOT COND NOS 2909	1989	133	23	11.5	0.187	(1.193)	0.148	(0.505)	3.092	(0.715)
	1988	62	13	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	52	12	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
DELIRIUM TREMENS 2910	1989	1,489	109	9.5	1.925	(0.467)	0.444	(0.138)	1.326	(0.232)
	1988	1,443	102	4.8	1.516	(0.317)	0.975	(0.311)	0.847	(0.225)
	1987	1,364	90	11.8	2.349	(0.601)	0.311	(0.104)	1.083	(0.188)
ALCOHOLIC PSYCHOSIS NEC 2918	1989	2,606	105	17.7	0.653	(0.276)	0.417	(0.237)	1.114	(0.155)
	1988	2,589	134	6.1	1.005	(0.281)	0.507	(0.215)	1.071	(0.146)
	1987	2,539	130	4.1	0.874	(0.282)	0.738	(0.469)	0.981	(0.195)
DRUG-INDUCED DELIRIUM 29281	1989	1,619	229	21.4	1.350	(0.119)	3.916	(1.862)	0.144	(0.328)
	1988	1,390	197	20.9	1.168	(0.129)	3.158	(0.929)	0.465	(0.290)
	1987	1,255	179	6.3	1.099	(0.153)	1.581	(1.128)	1.067	(0.354)
ORGANIC DELUSIONAL SYND 29381	1989	358	41	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	336	31	15.2	0.000	(0.188)	0.564	(43.03)	2.616	(0.522)
	1987	300	28	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
TRANSIENT ORG MENTAL NOS 2939	1989	572	114	42.3	2.082	(0.320)	2.017	(1.904)	1.001	(0.898)
	1988	399	53	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	391	55	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
DEMENTIA IN OTH DISEASES 2941	1989	309	64	53.1	2.608	(0.546)	4.442	(2.646)	0.826	(0.919)
	1988	286	69	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	304	64	49.3	2.609	(0.798)	0.695	(0.380)	3.438	(0.758)
ORGANIC BRAIN SYND NEC 2948	1989	250	37	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	211	27	13.7	1.921	(1.049)	0.551	(0.423)	2.880	(0.793)
	1987	263	36	11.7	2.073	(0.695)	1.019	(0.668)	1.655	(0.690)
ORGANIC BRAIN SYND NOS 2949	1989	554	86	31.3	1.530	(0.413)	1.262	(0.772)	2.108	(0.520)
	1988	666	106	33.0	1.258	(0.354)	0.770	(0.498)	2.405	(0.387)
	1987	758	129	52.1	1.297	(0.269)	3.487	(1.945)	1.574	(0.514)
CATATONIA-UNSPEC 29520	1989	109	7	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	109	17	22.6	1.531	(1.516)	1.457	(1.570)	6.394	(3.153)
	1987	142	14	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
PARANOID SCHIZO-UNSPEC 29530	1989	1,268	25	10.9	0.378	(0.530)	0.179	(0.203)	1.923	(0.446)
	1988	1,548	26	4.4	0.432	(0.200)	1.820	(1.913)	0.881	(0.548)
	1987	1,711	32	5.6	0.730	(0.332)	0.612	(0.336)	1.055	(0.317)
PARAN SCHIZO-CHR/EXACERB 29534	1989	2,381	30	17.0	0.096	(0.116)	5.957	(11.35)	1.267	(0.437)
	1988	2,458	29	9.2	0.326	(0.319)	0.998	(2.069)	1.161	(0.460)
	1987	2,223	27	13.8	0.339	(0.135)	2.534	(1.606)	0.509	(0.339)
RESID SCHIZOPHREN-UNSP 29560	1989	470	5	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	525	8	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	551	4	11.7	1.249	(1.057)	0.188	(0.140)	0.233	(0.233)
RESID SCHIZO-CHR/EXACERB 29564	1989	1,554	19	11.8	0.216	(0.136)	3.729	(3.751)	0.776	(0.467)
	1988	1,462	22	6.5	0.760	(0.421)	0.365	(0.247)	1.367	(0.383)
	1987	1,492	23	8.8	0.243	(0.197)	1.000	(.)	1.768	(0.492)
SCHIZOAFFECTIVE-UNSPEC 29570	1989	1,758	16	0.2	1.000	(.)	1.000	(.)	0.854	(0.309)
	1988	1,818	24	7.7	0.332	(0.209)	1.125	(1.111)	1.381	(0.426)
	1987	1,679	23	8.5	0.264	(0.184)	1.000	(.)	1.547	(0.456)
DEPRESS PSYCHOSIS-UNSPEC 29620	1989	4,693	274	4.3	0.966	(0.153)	0.693	(0.215)	1.313	(0.152)
	1988	5,213	300	8.8	0.750	(0.107)	0.924	(0.247)	1.268	(0.136)
	1987	5,849	334	2.2	0.940	(0.108)	1.346	(0.307)	0.947	(0.164)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	INITIAL		RELATIVE RISK		LONG TERM	
					EXCESS	PERSISTENCE	EXCESS	PERSISTENCE	EXCESS	PERSISTENCE
DEPRESS PSYCHOSIS-SEVERE 29623	1989	1,018	61	2.5	0.645	(0.206)	1.765	(1.063)	1.011	(0.337)
	1988	1,003	66	0.1	0.923	(0.219)	1.190	(0.763)	0.962	(0.343)
	1987	1,051	69	2.1	0.859	(0.177)	4.594	(2.984)	0.323	(0.454)
RECURR DEPR PSYCHOS-UNSP 29630	1989	3,372	112	21.9	0.490	(0.107)	1.819	(1.064)	0.671	(0.242)
	1988	3,440	122	29.6	0.868	(0.305)	0.142	(0.057)	1.323	(0.139)
	1987	3,554	118	31.1	0.442	(0.097)	4.433	(2.163)	0.424	(0.250)
RECUR DEPR PSYCH-SEVERE 29633	1989	1,588	62	3.6	0.656	(0.188)	1.343	(0.638)	0.847	(0.268)
	1988	1,434	56	2.8	0.821	(0.248)	0.879	(0.439)	0.867	(0.242)
	1987	1,261	48	7.1	0.479	(0.173)	1.968	(1.194)	0.816	(0.330)
REC DEPR PSYCH-PSYCHOTIC 29634	1989	1,186	53	13.3	0.309	(0.230)	0.444	(0.497)	1.567	(0.267)
	1988	1,087	48	7.6	0.392	(0.170)	1.957	(1.510)	1.128	(0.389)
	1987	1,064	56	10.8	0.379	(0.177)	1.000	(.)	1.704	(0.306)
BIPOL AFF, MANIC-UNSPEC 29640	1989	1,076	20	15.5	7.241	(9.303)	0.002	(0.002)	1.262	(0.290)
	1988	1,123	18	12.7	1.081	(0.954)	0.093	(0.085)	0.884	(0.238)
	1987	1,193	23	155.3	0.192	(0.112)	3.334	(3.737)	1.000	(.)
BIPOLAR AFFECTIVE NOS 2967	1989	793	13	11.4	0.424	(0.521)	0.254	(0.243)	1.018	(0.350)
	1988	788	23	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	748	19	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
REACT PSYCHOSIS NEC/NOS 2988	1989	318	41	16.8	1.162	(0.585)	0.692	(0.653)	2.753	(0.642)
	1988	331	30	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	351	41	14.5	0.499	(0.252)	5.856	(10.39)	2.087	(0.759)
PSYCHOSIS NOS 2989	1989	6,631	1,071	297.8	1.620	(0.087)	2.596	(0.398)	1.026	(0.155)
	1988	7,121	1,178	300.5	1.557	(0.089)	1.438	(0.273)	1.615	(0.154)
	1987	7,231	1,144	245.9	1.327	(0.082)	1.566	(0.325)	1.644	(0.149)
ANXIETY STATE NOS 30000	1989	1,629	61	46.0	0.462	(0.096)	1.856	(0.831)	0.307	(0.166)
	1988	1,931	75	42.6	0.426	(0.122)	0.804	(0.501)	0.694	(0.147)
	1987	2,161	89	40.8	0.557	(0.122)	0.782	(0.264)	0.611	(0.126)
CONVERSION DISORDER 30011	1989	498	15	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	511	9	17.9	0.695	(0.435)	0.357	(0.248)	0.311	(0.211)
	1987	565	26	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
NEUROTIC DEPRESSION 3004	1989	2,018	91	7.6	0.662	(0.135)	2.159	(0.991)	0.585	(0.300)
	1988	2,616	76	42.1	0.396	(0.080)	4.194	(2.141)	0.210	(0.213)
	1987	3,155	125	18.5	0.580	(0.126)	1.027	(0.486)	0.843	(0.163)
NEUROTIC DISORDER NOS 3009	1989	1,640	313	96.5	1.420	(0.151)	3.765	(1.335)	1.240	(0.305)
	1988	1,510	283	73.3	1.399	(0.150)	2.667	(0.898)	1.280	(0.328)
	1987	1,412	251	73.5	2.520	(0.321)	0.628	(0.201)	1.340	(0.221)
AC ALCOHOL INTOX-UNSPEC 30300	1989	2,177	75	21.9	0.468	(0.125)	5.378	(2.984)	0.181	(0.296)
	1988	2,175	79	33.6	0.565	(0.286)	0.227	(0.141)	0.1028	(0.133)
	1987	2,258	98	15.0	0.560	(0.123)	5.068	(3.298)	0.184	(0.371)
AC ALCOHOL INTOX-CONTIN 30301	1989	2,587	97	14.4	0.397	(0.124)	3.313	(3.908)	0.703	(0.501)
	1988	2,524	91	23.1	0.818	(0.347)	0.279	(0.133)	1.030	(0.134)
	1987	2,251	85	32.8	0.347	(0.107)	11.025	(11.78)	0.334	(0.245)
ALCOH DEP NEC/NOS-UNSPEC 30390	1989	3,359	105	27.2	0.380	(0.094)	11.201	(10.15)	0.392	(0.258)
	1988	2,885	86	14.1	0.763	(0.224)	0.682	(0.235)	0.808	(0.143)
	1987	2,616	96	9.4	0.784	(0.172)	1.603	(0.748)	0.484	(0.236)
ALCOH DEP NEC/NOS-CONTIN 30391	1989	5,885	164	57.3	0.327	(0.076)	49.384	(123)	0.278	(0.227)
	1988	4,860	161	16.8	0.525	(0.103)	1.000	(.)	1.054	(0.120)
	1987	4,037	114	30.9	0.409	(0.125)	1.401	(0.799)	0.742	(0.154)
PSYCHOGENIC RESPIR DIS 3061	1989	460	21	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	543	25	14.0	0.536	(0.180)	1.333	(0.730)	0.396	(0.234)
	1987	574	27	13.0	1.325	(0.594)	0.209	(0.120)	0.714	(0.200)
ANOREXIA NERVOSA 3071	1989	104	14	18.8	0.660	(0.953)	2.244	(3.827)	8.160	(3.189)
	1988	108	12	12.8	5.043	(2.742)	0.537	(0.294)	3.094	(1.823)
	1987	135	29	53.1	7.971	(4.329)	0.207	(0.155)	7.776	(2.067)
SPECIAL SYMPTOM NEC/NOS 3079	1989	205	32	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	213	25	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	237	45	18.5	1.437	(0.436)	3.945	(3.273)	1.395	(0.827)
ACUTE STRESS REACT NOS 3089	1989	60	4	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	68	5	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	70	8	11.9	15.091	(9.287)	0.086	(0.043)	1.232	(0.877)
BRIEF DEPRESSIVE REACT 3090	1989	887	50	11.8	1.404	(1.014)	0.024	(0.022)	1.915	(0.292)
	1988	1,021	57	1.7	0.722	(0.192)	1.445	(1.026)	0.928	(0.395)
	1987	1,051	63	1.1	0.893	(0.196)	1.996	(1.378)	0.617	(0.438)
DEPRESSIVE DISORDER NEC 311	1989	1,897	136	16.1	0.738	(0.215)	0.492	(0.260)	1.807	(0.217)
	1988	2,364	173	5.5	0.883	(0.140)	1.464	(0.437)	1.172	(0.220)
	1987	2,794	207	12.3	0.911	(0.169)	0.991	(0.406)	1.576	(0.239)
SENILE DEGENERAT BRAIN 3312	1989	184	30	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	239	53	22.4	1.846	(0.671)	0.952	(0.685)	2.257	(0.568)
	1987	251	47	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
COMMUNICAT HYDROCEPHALUS 3313	1989	1,617	190	72.3	0.974	(0.193)	2.642	(1.301)	2.066	(0.431)
	1988	1,510	171	51.6	1.047	(0.187)	4.453	(2.260)	1.204	(0.521)
	1987	1,439	189	83.4	1.667	(0.250)	2.436	(0.991)	1.481	(0.503)
OBSTRUCTIV HYDROCEPHALUS 3314	1989	1,855	257	114.6	1.269	(0.168)	7.569	(3.527)	1.162	(0.427)
	1988	2,183	337	201.6	1.659	(0.168)	6.454	(2.170)	0.838	(0.495)
	1987	2,226	354	260.2	2.281	(0.254)	1.867	(0.615)	2.195	(0.469)
CEREB DEGENERATION NEC 33189	1989	236	31	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	215	35	11.5	1.854	(0.503)	3.361	(1.849)	0.221	(0.842)
	1987	243	29	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
CEREB DEGENERATION NOS 3319	1989	520	70	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	613	100	27.6	2.684	(0.814)	0.311	(0.140)	2.003	(0.285)
	1987	827	138	37.9	2.266	(0.628)	0.354	(0.134)	2.112	(0.244)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
PARALYSIS AGITANS 3320	1989	5,788	739	268.4	0.903	(0.121)	1.954	(0.649)	2.198	(0.210)
	1988	6,499	874	308.2	1.374	(0.132)	1.287	(0.223)	2.137	(0.158)
	1987	6,961	962	395.5	1.515	(0.144)	1.237	(0.236)	2.249	(0.166)
DEGEN BASAL GANGLIA NEC 3330	1989	494	58	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	486	72	48.7	1.013	(0.383)	11.781	(14.07)	1.552	(1.143)
	1987	515	69	28.3	1.966	(0.455)	1.737	(0.867)	1.393	(0.621)
HUNTINGTON'S CHOREA 3334	1989	122	15	24.4	11.096	(6.651)	0.282	(0.130)	4.956	(1.739)
	1988	132	17	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	147	11	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
CHOREA NEC 3335	1989	145	21	13.2	3.920	(3.097)	0.106	(0.080)	3.403	(0.890)
	1988	166	14	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	185	14	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
EXTRAPYRAMIDAL DIS NEC 33399	1989	201	30	21.6	4.483	(2.084)	0.249	(0.161)	3.337	(0.962)
	1988	180	33	33.8	2.847	(0.951)	2.365	(1.314)	1.847	(2.032)
	1987	104	9	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
IDIOPATH AUTO NEUROPATHY 3370	1989	474	23	15.2	0.921	(0.445)	0.369	(0.286)	0.511	(0.180)
	1988	472	20	18.5	1.231	(0.772)	0.112	(0.094)	0.564	(0.153)
	1987	425	18	20.1	0.434	(0.377)	0.364	(0.284)	0.565	(0.165)
MULTIPLE SCLEROSIS 340	1989	3,128	76	5.1	1.043	(0.261)	1.206	(0.417)	1.380	(0.398)
	1988	3,120	92	18.8	1.450	(0.275)	1.799	(0.649)	0.706	(0.485)
	1987	3,145	105	25.7	1.678	(0.350)	1.158	(0.486)	1.468	(0.653)
HEMIPLEGIA NOS 3429	1989	804	114	17.4	1.295	(0.208)	2.618	(1.396)	0.927	(0.452)
	1988	951	150	35.3	1.503	(0.257)	1.631	(1.368)	1.479	(0.672)
	1987	1,249	222	83.9	1.937	(0.272)	1.247	(0.439)	1.787	(0.355)
CEREBRAL PALSY NOS 3439	1989	65	7	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	77	13	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	73	13	13.7	7.870	(5.726)	0.283	(0.158)	3.306	(1.431)
CAUDA EQUINA SYND NOS 34460	1989	246	30	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	212	29	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	245	39	23.6	2.514	(0.524)	2.290	(1.030)	0.045	(1.173)
NEUROGENIC BLADDER 34461	1989	870	83	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	1,137	105	6.8	1.027	(0.268)	1.341	(1.603)	1.396	(0.511)
	1987	1,354	116	16.6	0.652	(0.133)	12.636	(19.31)	0.883	(0.390)
PARALYTIC SYNDROMES NEC 3448	1989	143	16	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	151	27	18.4	3.097	(1.079)	1.038	(0.662)	1.853	(0.876)
	1987	152	25	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
PARALYSIS NOS 3449	1989	163	18	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	170	23	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	197	31	13.6	2.105	(0.671)	1.157	(0.732)	1.888	(0.877)
GEN CONVULSIVE EPILEPSY 3451	1989	6,833	933	198.5	1.749	(0.111)	1.092	(0.216)	1.418	(0.161)
	1988	7,471	989	153.5	1.492	(0.096)	0.826	(0.122)	1.722	(0.125)
	1987	7,223	991	174.3	1.699	(0.106)	0.884	(0.121)	1.516	(0.124)
PETIT MAL STATUS 3452	1989	74	12	11.8	2.168	(2.001)	0.381	(0.697)	5.530	(2.180)
	1988	72	9	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	71	7	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
PARTIAL EPILEPSY NEC 3455	1989	1,618	213	33.6	1.298	(0.185)	1.040	(0.377)	1.776	(0.287)
	1988	1,702	217	37.7	1.500	(0.227)	0.765	(0.292)	1.875	(0.289)
	1987	1,582	206	28.9	1.516	(0.210)	0.958	(0.299)	1.498	(0.257)
EPILEPS PARTIAL CONTINUA 3457	1989	215	54	53.5	4.513	(0.917)	0.615	(0.260)	2.036	(0.846)
	1988	255	57	40.6	2.482	(0.669)	0.516	(0.384)	3.773	(0.997)
	1987	236	59	66.5	4.545	(1.069)	0.933	(0.634)	2.366	(1.415)
EPILEPSY NOS 3459	1989	4,292	477	65.4	1.326	(0.149)	0.895	(0.303)	1.716	(0.197)
	1988	4,971	589	70.5	1.080	(0.098)	1.139	(0.277)	1.728	(0.167)
	1987	4,846	533	46.5	1.447	(0.118)	1.074	(0.168)	1.188	(0.146)
VARIANTS OF MIGRAINE 3462	1989	278	2	14.3	1.357	(2.168)	0.081	(0.092)	0.169	(0.169)
	1988	321	5	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	354	7	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
MIGRAINE NOS 3469	1989	890	12	23.8	0.399	(0.254)	0.677	(0.499)	0.338	(0.155)
	1988	895	9	35.0	0.959	(1.135)	0.060	(0.052)	0.383	(0.145)
	1987	906	13	23.3	0.267	(0.166)	1.397	(1.397)	0.334	(0.218)
CEREBRAL CYSTS 3480	1989	265	38	34.2	1.455	(0.764)	2.574	(2.051)	3.349	(1.462)
	1988	275	33	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	244	26	21.4	4.283	(1.171)	0.713	(0.235)	0.968	(0.641)
TRIGEMINAL NEURALGIA 3501	1989	2,075	50	31.7	0.818	(0.295)	0.494	(0.205)	0.523	(0.117)
	1988	2,183	54	28.2	0.554	(0.261)	0.470	(0.243)	0.699	(0.130)
	1987	2,325	64	17.7	0.561	(0.207)	0.950	(0.477)	0.668	(0.138)
BELL'S PALSY 3510	1989	1,338	62	12.7	0.781	(0.155)	2.078	(0.864)	0.213	(0.210)
	1988	1,513	38	52.4	0.805	(0.261)	0.464	(0.213)	0.310	(0.095)
	1987	1,477	43	37.5	0.802	(0.325)	0.709	(0.564)	0.318	(0.152)
CARPAL TUNNEL SYNDROME 3540	1989	1,040	21	21.1	0.231	(0.112)	6.445	(11.98)	0.337	(0.386)
	1988	1,392	18	41.2	0.327	(0.125)	2.040	(1.319)	0.112	(0.126)
	1987	1,773	25	22.7	0.190	(0.109)	1.323	(0.818)	1.000	(.)
ULNAR NERVE LESION 3542	1989	631	7	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	725	7	24.3	2.880	(2.342)	0.037	(0.025)	0.319	(0.160)
	1987	920	12	17.5	0.715	(1.552)	0.043	(0.060)	0.733	(0.221)
MONONEURITIS LEG NOS 3558	1989	850	68	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	943	75	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	1,054	78	0.4	0.827	(0.153)	4.176	(4.308)	0.412	(0.588)
IDIO PROG POLYNEUROPATHY 3564	1989	90	18	15.5	1.449	(0.835)	3.623	(5.154)	3.429	(2.804)
	1988	134	26	14.6	2.003	(0.629)	3.350	(3.934)	1.005	(2.045)
	1987	123	16	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)

* ESTIMATE IMPUTED

TABLE 4B
ICO-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS

ICO-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK				LONG TERM	
					EXCESS	INITIAL	PERSISTENCE			
IDIO PERIPH NEURPTHY NEC 3568	1989	401	75	55.8	1.507	(0.383)	19.832	(34.76)	1.134	(1.113)
	1988	354	55	39.4	1.582	(0.521)	13.949	(13.51)	0.128	(1.447)
	1987	389	57	41.1	2.617	(0.666)	3.371	(1.333)	0.291	(1.111)
IDIO PERIPH NEURPTHY NOS 3569	1989	775	85	19.1	0.894	(0.193)	14.735	(17.94)	0.571	(0.457)
	1988	800	96	16.7	1.160	(0.197)	5.382	(2.973)	0.395	(0.626)
	1987	971	93	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
AC INFECT POLYNEURITIS 3570	1989	950	132	71.1	1.970	(0.339)	2.289	(0.617)	1.253	(0.544)
	1988	939	142	75.4	1.526	(0.303)	1.642	(0.706)	2.513	(0.622)
	1987	972	151	109.6	2.695	(0.429)	1.423	(0.428)	2.027	(0.572)
ALCOHOLIC POLYNEUROPATHY 3575	1989	190	12	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	191	24	11.5	0.958	(0.863)	1.347	(1.286)	2.720	(0.966)
	1987	181	17	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
MYASTHENIA GRAVIS 3580	1989	917	141	101.8	2.400	(0.677)	0.501	(0.250)	3.487	(0.453)
	1988	973	145	83.2	1.849	(0.375)	1.353	(0.425)	2.546	(0.513)
	1987	953	145	99.6	1.742	(0.397)	1.330	(0.717)	3.111	(0.705)
MYONEURAL DISORDERS NOS 3589	1989	61	18	24.1	4.499	(1.417)	1.795	(1.117)	1.395	(1.431)
	1988	49	20	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	62	14	15.0	7.704	(3.919)	0.187	(0.112)	2.517	(1.221)
PURULENT ENDOPHTHALM NOS 36000	1989	724	30	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	772	31	15.6	1.083	(0.774)	0.099	(0.093)	0.846	(0.185)
	1987	815	41	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
DETACHMNT W DEFECT NOS 36100	1989	4,575	66	124.1	0.124	(0.054)	19.506	(37.71)	0.247	(0.128)
	1988	4,938	62	140.0	0.249	(0.111)	0.715	(0.489)	0.373	(0.065)
	1987	4,880	58	140.8	0.638	(0.244)	0.303	(0.130)	0.335	(0.059)
PART DETACH-SINGL DEFEC 36101	1989	1,465	14	50.8	0.725	(1.109)	0.043	(0.047)	0.373	(0.103)
	1988	1,472	17	53.4	0.099	(0.094)	18.450	(55.18)	0.166	(0.242)
	1987	1,483	7	74.0	0.051	(0.059)	13.117	(50.29)	0.070	(0.099)
PART DETACH-MULT DEFECT 36102	1989	1,472	15	51.5	0.106	(0.293)	0.262	(0.556)	0.394	(0.120)
	1988	1,573	18	50.7	0.373	(0.210)	0.922	(0.605)	0.224	(0.103)
	1987	1,493	16	19.9	0.320	(0.295)	0.371	(0.313)	1.000	(.)
RECENT DETACHMENT, TOTAL 36105	1989	1,129	17	33.3	0.133	(0.093)	110.22	(1995)	0.185	(0.222)
	1988	1,031	14	28.8	0.388	(0.312)	0.541	(0.541)	0.363	(0.132)
	1987	1,021	15	29.4	0.436	(0.234)	1.562	(1.352)	0.158	(0.152)
RETINAL TRACTION DETACH 36181	1989	783	12	11.3	0.334	(0.218)	1.681	(1.665)	0.412	(0.249)
	1988	681	13	13.5	0.578	(0.859)	0.048	(0.063)	0.942	(0.272)
	1987	646	12	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
RETINAL DETACHMENT NEC 36189	1989	708	10	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	633	8	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	622	9	14.3	0.121	(0.399)	0.483	(0.968)	0.567	(0.227)
RETINAL DETACHMENT NOS 3619	1989	2,363	35	49.8	0.149	(0.081)	4.802	(8.707)	0.352	(0.238)
	1988	2,848	40	66.7	0.170	(0.146)	0.769	(1.219)	0.484	(0.124)
	1987	2,972	33	96.6	0.196	(0.115)	1.078	(1.047)	0.302	(0.090)
TRANSIENT ARTERIAL OCCLU 36234	1989	666	8	31.0	0.485	(0.568)	0.181	(0.168)	0.314	(0.127)
	1988	813	17	22.6	0.371	(0.203)	1.265	(1.178)	0.337	(0.208)
	1987	877	18	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
OPEN-ANGLE GLAUCOMA NOS 36510	1989	933	9	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	998	12	21.4	0.489	(0.666)	0.212	(0.247)	0.472	(0.150)
	1987	984	10	32.7	0.308	(0.582)	0.172	(0.191)	0.382	(0.134)
PRIM OPEN ANGLE GLAUCOMA 36511	1989	1,658	22	16.3	0.412	(0.926)	0.073	(0.121)	1.000	(.)
	1988	1,622	19	36.7	0.343	(0.175)	1.689	(1.178)	0.215	(0.133)
	1987	1,481	21	12.1	1.000	(.)	1.000	(.)	0.429	(0.125)
ACUTE ANGL-CLOS GLAUCOMA 36522	1989	960	36	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	1,130	39	14.0	0.450	(0.239)	1.044	(0.780)	0.667	(0.170)
	1987	1,377	49	16.0	0.551	(0.175)	2.223	(1.371)	0.379	(0.248)
GLAUCOMA NEC 36589	1989	376	3	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	405	9	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	383	6	13.1	0.804	(0.620)	0.685	(0.520)	0.173	(0.160)
GLAUCOMA NOS 3659	1989	759	15	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	786	13	17.7	0.518	(0.239)	2.328	(2.542)	0.067	(0.393)
	1987	920	13	20.4	0.099	(0.257)	0.509	(0.900)	0.557	(0.168)
SENILE CATARACT NOS 36610	1989	6,478	149	88.9	0.271	(0.072)	1.000	(.)	0.671	(0.068)
	1988	10,266	244	125.0	0.240	(0.044)	24.163	(23.88)	0.296	(0.103)
	1987	13,214	304	164.4	0.227	(0.053)	1.000	(.)	0.726	(0.050)
POST SUBCAP SENILE CATAR 36614	1989	525	24	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	765	16	11.6	0.486	(0.547)	0.162	(0.164)	0.878	(0.235)
	1987	1,082	23	10.7	0.352	(0.191)	1.000	(.)	0.700	(0.188)
SENILE NUCLEAR CATARACT 36616	1989	1,534	33	23.9	0.289	(0.150)	1.000	(.)	0.587	(0.126)
	1988	2,083	44	35.7	0.519	(0.456)	0.211	(0.238)	0.680	(0.116)
	1987	2,937	72	35.5	0.280	(0.079)	18.625	(29.38)	0.241	(0.151)
MATURE CATARACT 36617	1989	1,729	42	23.0	0.207	(0.137)	1.000	(.)	0.764	(0.142)
	1988	2,727	56	59.1	0.204	(0.120)	0.538	(0.476)	0.651	(0.101)
	1987	3,459	88	36.9	0.454	(0.321)	0.229	(0.250)	0.858	(0.103)
CATARACT NEC 3668	1989	410	9	12.2	0.217	(0.186)	46.562	(371.3)	0.181	(0.337)
	1988	509	17	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	667	19	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
CATARACT NOS 3669	1989	2,737	95	22.9	0.478	(0.092)	12.242	(9.510)	0.117	(0.197)
	1988	3,525	134	15.3	0.513	(0.121)	1.000	(.)	0.938	(0.113)
	1987	4,862	178	31.6	0.401	(0.092)	1.000	(.)	0.947	(0.090)
CORNEAL ULCER NOS 37000	1989	1,112	62	5.2	0.584	(0.186)	2.223	(1.341)	0.715	(0.230)
	1988	1,162	70	0.8	0.958	(0.245)	1.000	(.)	0.877	(0.160)
	1987	1,197	57	7.1	0.570	(0.175)	3.296	(2.484)	0.466	(0.275)

* ESTIMATE IMPUTED

TABLE 4B
ICO-9-CM ESTIMATE AND STANDARD ERROR
LOW RISK DISORDERS: NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS

ICO-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
CORNEAL EDEMA NOS 37120	1989	430	8	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	542	8	12.8	0.145	(0.276)	1.776	(3.535)	0.425	(0.319)
	1987	562	8	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
BULLOUS KERATOPATHY 37123	1989	3,216	52	76.9	0.129	(0.293)	0.191	(0.474)	0.529	(0.077)
	1988	3,810	60	105.2	0.136	(0.064)	28.045	(71.74)	0.190	(0.140)
	1987	4,361	63	134.5	0.348	(0.322)	0.129	(0.112)	0.443	(0.059)
ENDOThEL CORNEA DYSTROPHY 37157	1989	993	10	23.6	0.372	(0.377)	0.545	(0.555)	0.340	(0.140)
	1988	1,223	6	29.0	1.000	()	1.000	()	0.155	(0.082)
	1987	1,265	13	30.8	0.151	(0.177)	1.410	(1.801)	0.339	(0.153)
PTOSIS OF EYELID NOS 37430	1989	188	2	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	322	3	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	440	3	15.3	3.759	(3.813)	0.108	(0.078)	0.127	(0.127)
ACQ NASOLACRIMAL STENOSIS 37556	1989	681	4	24.3	0.950	(0.909)	0.141	(0.117)	0.164	(0.116)
	1988	702	6	20.0	0.728	(0.568)	0.587	(0.453)	0.134	(0.135)
	1987	800	4	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
VITREOUS HEMORRHAGE 37923	1989	2,409	77	13.9	0.345	(0.102)	6.148	(4.701)	1.000	()
	1988	2,341	59	26.8	0.192	(0.105)	1.000	()	1.026	(0.159)
	1987	2,301	63	7.2	0.536	(0.234)	1.034	(0.827)	1.000	()
OTITIS MEDIA NOS 3829	1989	873	12	19.2	0.027	(0.199)	0.888	(3.401)	0.696	(0.266)
	1988	1,080	21	12.2	0.936	(0.539)	0.304	(0.172)	0.661	(0.192)
	1987	1,157	34	3.7	1.566	(0.901)	0.227	(0.170)	1.188	(0.262)
MENIERE'S DISEASE NOS 38600	1989	1,363	23	46.5	0.746	(0.457)	0.216	(0.125)	0.389	(0.101)
	1988	1,599	15	94.0	0.026	(0.072)	1.219	(2.755)	0.267	(0.088)
	1987	1,693	18	108.2	0.304	(0.446)	0.057	(0.058)	0.302	(0.076)
PERIPHERAL VERTIGO NOS 38610	1989	660	11	43.8	0.044	(0.104)	1.793	(4.858)	0.337	(0.156)
	1988	717	17	33.9	0.819	(0.511)	0.303	(0.196)	0.336	(0.118)
	1987	724	17	31.8	0.217	(0.146)	5.379	(8.000)	0.161	(0.319)
BENIGN PAROXYSMAL VERTIGO 38611	1989	1,511	32	78.2	0.208	(0.100)	1.310	(1.171)	0.318	(0.115)
	1988	1,503	32	77.6	0.422	(0.179)	0.495	(0.234)	0.321	(0.080)
	1987	1,481	30	89.3	0.378	(0.179)	0.507	(0.337)	0.280	(0.074)
VESTIBULAR NEURONITIS 38612	1989	1,224	17	81.7	0.184	(0.142)	0.460	(0.405)	0.279	(0.089)
	1988	1,335	10	113.1	0.122	(0.075)	1.000	()	0.106	(0.058)
	1987	1,287	20	76.9	0.151	(0.084)	7.485	(10.15)	0.072	(0.158)
LABYRINTHITIS NOS 38630	1989	9,411	166	538.0	0.193	(0.031)	3.315	(1.871)	0.137	(0.072)
	1988	9,596	148	587.2	0.183	(0.047)	0.863	(0.357)	0.266	(0.036)
	1987	10,057	161	603.2	0.184	(0.051)	0.819	(0.427)	0.284	(0.038)
VIRAL LABYRINTHITIS 38635	1989	886	17	40.7	0.948	(0.591)	0.214	(0.124)	0.341	(0.110)
	1988	894	15	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	849	10	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
LABYRINTHINE DYSFUNC NOS 38650	1989	579	11	32.2	0.709	(0.629)	0.126	(0.130)	0.341	(0.123)
	1988	556	11	34.7	0.313	(0.434)	0.191	(0.315)	0.383	(0.132)
	1987	654	11	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
CELLULITIS, FINGER NOS 68100	1989	1,161	53	10.0	0.951	(0.276)	0.580	(0.214)	0.698	(0.153)
	1988	1,078	53	11.1	1.451	(0.406)	0.510	(0.194)	0.594	(0.147)
	1987	1,109	51	8.3	0.532	(0.159)	2.485	(2.302)	0.539	(0.308)
CELLULITIS, TOE NOS 68110	1989	2,994	247	16.1	0.666	(0.103)	6.340	(3.022)	0.694	(0.201)
	1988	2,958	250	16.6	0.736	(0.113)	2.801	(0.932)	0.979	(0.211)
	1987	2,744	224	7.3	0.793	(0.150)	1.467	(0.474)	1.210	(0.171)
CELLULITIS OF FACE 6820	1989	3,063	220	4.0	0.915	(0.122)	1.073	(0.275)	0.815	(0.120)
	1988	2,953	200	8.0	0.865	(0.127)	0.920	(0.273)	0.822	(0.125)
	1987	2,793	214	6.2	0.792	(0.107)	1.417	(0.449)	0.783	(0.142)
CELLULITIS OF NECK 6821	1989	566	62	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	570	68	11.6	1.667	(0.311)	1.194	(0.424)	1.068	(0.433)
	1987	528	76	15.2	1.798	(0.336)	0.949	(0.349)	1.341	(0.430)
CELLULITIS OF TRUNK 6822	1989	3,600	487	63.6	1.223	(0.105)	1.173	(0.253)	1.688	(0.188)
	1988	3,582	510	63.4	1.344	(0.099)	1.271	(0.268)	1.420	(0.195)
	1987	3,595	485	67.7	1.264	(0.098)	1.796	(0.396)	1.266	(0.209)
CELLULITIS OF ARM 6823	1989	4,919	483	10.8	0.849	(0.089)	0.994	(0.239)	1.317	(0.119)
	1988	4,755	502	20.6	0.830	(0.075)	1.570	(0.309)	1.263	(0.134)
	1987	4,502	469	10.7	0.930	(0.089)	1.365	(0.356)	1.184	(0.142)
CELLULITIS OF HAND 6824	1989	2,723	184	13.4	0.830	(0.119)	1.348	(0.443)	0.633	(0.132)
	1988	2,621	156	22.6	1.066	(0.260)	0.314	(0.137)	0.903	(0.109)
	1987	2,545	176	7.4	0.949	(0.148)	1.148	(0.316)	0.694	(0.124)
CELLULITIS OF BUTTOCK 6825	1989	826	137	50.1	1.603	(0.245)	2.542	(1.246)	1.428	(0.542)
	1988	803	140	76.5	2.560	(0.399)	0.999	(0.322)	2.002	(0.445)
	1987	819	102	18.9	0.946	(0.202)	5.313	(4.000)	1.062	(0.481)
CELLULITIS OF LEG 6826	1989	34,732	3,164	22.4	0.958	(0.038)	1.519	(0.163)	0.918	(0.051)
	1988	34,109	3,095	16.1	0.937	(0.036)	1.592	(0.205)	0.849	(0.062)
	1987	32,214	2,817	9.3	1.000	(0.044)	1.324	(0.150)	0.889	(0.050)
CELLULITIS OF FOOT 6827	1989	10,808	1,119	88.7	0.925	(0.075)	1.599	(0.368)	1.377	(0.110)
	1988	10,737	1,081	62.2	0.946	(0.075)	1.400	(0.330)	1.333	(0.114)
	1987	10,328	1,032	69.4	0.854	(0.081)	1.321	(0.328)	1.442	(0.104)
CELLULITIS NOS 6829	1989	471	52	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	470	64	14.4	2.196	(0.633)	0.369	(0.187)	1.789	(0.361)
	1987	498	68	15.6	1.196	(0.354)	1.806	(0.924)	1.627	(0.533)
PYODERMA 6860	1989	229	31	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	253	40	15.5	0.909	(0.283)	17.052	(35.17)	1.144	(0.981)
	1987	252	40	11.9	1.688	(0.437)	2.429	(1.520)	0.846	(0.887)
LOCAL SKIN INFECTION NOS 6869	1989	739	65	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	887	76	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	1,079	120	23.1	1.327	(0.290)	1.395	(1.155)	1.610	(0.517)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
DRUG DERMATITIS NOS 6930	1989	1,130	109	1.6	0.815	(0.163)	0.965	(0.394)	1.196	(0.245)
	1988	1,246	129	7.4	0.750	(0.115)	5.520	(3.346)	0.438	(0.381)
	1987	1,224	120	4.4	0.717	(0.133)	1.585	(0.687)	0.903	(0.250)
PEMPHIGUS 6944	1989	126	40	54.2	2.027	(1.111)	3.137	(3.397)	4.622	(1.962)
	1988	106	22	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	138	35	28.3	2.767	(0.926)	3.708	(2.995)	1.191	(1.118)
PEMPHIGOID 6945	1989	443	138	150.9	2.415	(0.570)	5.022	(2.406)	2.342	(0.746)
	1988	465	135	121.7	0.937	(0.371)	4.854	(5.371)	3.605	(0.798)
	1987	428	114	100.8	2.054	(0.578)	2.877	(1.707)	2.550	(0.814)
ERYTHEMA MULTIFORME 6951	1989	604	114	45.0	2.040	(0.325)	1.266	(0.554)	1.704	(0.565)
	1988	625	114	50.1	2.567	(0.425)	0.733	(0.267)	1.817	(0.480)
	1987	664	140	82.1	2.624	(0.447)	0.701	(0.216)	2.581	(0.542)
ERYTHEMATOUS CONO NEC 69589	1989	406	56	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	430	78	26.0	1.441	(0.330)	1.194	(0.686)	2.349	(0.630)
	1987	421	73	32.5	1.705	(0.567)	0.491	(0.415)	3.058	(0.625)
SEBACEOUS CYST 7062	1989	332	17	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	388	7	13.5	0.370	(0.313)	0.647	(0.598)	0.363	(0.204)
	1987	433	15	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
CHRONIC ULCER OF LEG 7071	1989	12,202	1,689	514.3	1.548	(0.078)	2.637	(0.359)	1.223	(0.131)
	1988	12,705	1,703	460.5	1.255	(0.070)	2.082	(0.385)	1.649	(0.150)
	1987	13,029	1,738	541.8	1.363	(0.071)	3.281	(0.476)	1.235	(0.130)
CHRONIC SKIN ULCER NEC 7078	1989	770	143	92.6	1.242	(0.245)	2.121	(1.026)	3.487	(0.626)
	1988	814	150	93.8	1.656	(0.292)	1.235	(0.478)	3.424	(0.582)
	1987	793	154	112.2	2.216	(0.393)	1.021	(0.373)	3.275	(0.516)
CHRONIC SKIN ULCER NOS 7079	1989	149	30	23.9	4.576	(1.507)	0.638	(0.298)	1.685	(0.739)
	1988	208	37	22.9	1.973	(0.608)	3.780	(2.786)	1.210	(1.326)
	1987	201	26	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
ALLERGIC URTICARIA 7080	1989	446	10	22.9	0.178	(0.199)	0.586	(0.813)	0.486	(0.183)
	1988	443	8	27.2	0.201	(0.313)	0.318	(0.335)	0.394	(0.173)
	1987	418	12	19.7	1.557	(0.908)	0.143	(0.076)	0.400	(0.178)
URTICARIA NOS 7089	1989	162	2	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	170	5	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	199	2	15.3	0.207	(0.334)	0.322	(0.513)	0.190	(0.190)
SYST LUPUS ERYTHEMATOSUS 7100	1989	1,564	239	164.2	2.003	(0.244)	1.481	(0.363)	2.946	(0.558)
	1988	1,581	211	119.5	1.678	(0.200)	2.388	(0.665)	1.790	(0.569)
	1987	1,672	240	168.8	1.806	(0.229)	1.860	(0.606)	2.937	(0.666)
SICCIA SYNDROME 7102	1989	100	15	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	87	16	20.0	2.870	(1.491)	1.996	(1.386)	3.486	(3.364)
	1987	107	14	15.7	5.010	(1.923)	1.042	(0.564)	1.036	(1.191)
DERMATOMYOSITIS 7103	1989	156	41	67.8	1.046	(0.566)	5.314	(9.407)	7.963	(2.752)
	1988	151	44	92.4	3.006	(1.200)	2.851	(1.990)	7.779	(3.621)
	1987	167	62	157.8	1.726	(1.054)	1.884	(1.625)	18.187	(4.030)
POLYMYOSITIS 7104	1989	450	98	153.2	1.415	(0.702)	3.135	(2.473)	6.459	(1.771)
	1988	457	83	86.7	2.190	(0.584)	1.825	(2.136)	3.692	(2.008)
	1987	502	109	144.8	3.013	(0.677)	1.327	(0.696)	4.778	(1.281)
DIFF CONNECT TIS OIS NOS 7109	1989	134	15	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	148	24	20.8	3.331	(1.420)	0.644	(0.364)	3.418	(1.416)
	1987	174	24	24.0	1.995	(1.179)	2.661	(2.166)	2.639	(2.653)
PYOGEN ARTHRITIS-UNSPEC 71100	1989	90	7	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	68	13	12.8	3.445	(1.333)	2.167	(1.350)	0.364	(1.683)
	1987	100	12	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
PYOGEN ARTHRITIS-SHLOER 71101	1989	260	41	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	283	53	27.8	3.093	(1.379)	0.059	(0.046)	3.306	(0.570)
	1987	241	34	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
PYOGEN ARTHRITIS-PELVIS 71105	1989	206	21	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	226	20	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	252	44	22.6	2.230	(0.667)	1.133	(0.646)	2.107	(0.989)
PYOGEN ARTHRITIS-L/LEG 71106	1989	1,387	152	15.4	1.001	(0.194)	1.678	(0.617)	1.399	(0.300)
	1988	1,366	176	23.2	1.416	(0.204)	1.260	(0.381)	1.332	(0.283)
	1987	1,269	146	14.3	1.527	(0.273)	0.919	(0.309)	1.312	(0.249)
RHEUMATOID ARTHRITIS 7140	1989	12,213	345	27.0	0.633	(0.138)	0.634	(0.195)	1.362	(0.106)
	1988	12,821	397	19.7	0.665	(0.122)	0.889	(0.282)	1.387	(0.120)
	1987	13,349	413	18.0	0.633	(0.106)	0.981	(0.235)	1.337	(0.114)
SYST RHEUM ARTHRITIS NEC 7142	1989	144	16	15.2	1.368	(1.732)	0.626	(0.799)	4.993	(1.856)
	1988	160	19	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	175	26	33.5	5.224	(1.925)	0.839	(0.427)	3.201	(1.787)
LOC PRIM OSTEOART-PELVIS 71515	1989	3,188	38	56.4	1.039	(0.366)	0.474	(0.146)	0.298	(0.080)
	1988	3,159	50	34.1	0.784	(0.224)	1.023	(0.375)	0.315	(0.112)
	1987	2,888	43	31.2	0.610	(0.207)	1.121	(0.434)	0.364	(0.120)
LOC PRIM OSTEOART-L/LEG 71516	1989	5,217	68	62.6	0.500	(0.227)	0.648	(0.384)	0.497	(0.094)
	1988	4,985	76	44.3	0.704	(0.215)	0.734	(0.232)	0.497	(0.094)
	1987	4,157	62	42.9	0.963	(0.308)	0.701	(0.325)	0.374	(0.110)
LOC OSTEOARTH NOS-SHLOER 71531	1989	539	6	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	448	5	19.3	4.719	(3.563)	0.046	(0.031)	0.213	(0.150)
	1987	414	8	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
LOC OSTEOARTH NOS-PELVIS 71535	1989	11,500	148	162.9	0.517	(0.088)	1.347	(0.313)	0.265	(0.064)
	1988	11,261	175	119.3	0.654	(0.108)	1.089	(0.220)	0.363	(0.061)
	1987	10,278	162	111.1	0.689	(0.116)	1.092	(0.253)	0.337	(0.068)
LOC OSTEOARTH NOS-L/LEG 71536	1989	18,803	216	304.2	0.671	(0.091)	0.909	(0.138)	0.235	(0.038)
	1988	17,738	218	259.6	0.519	(0.098)	0.772	(0.173)	0.387	(0.043)
	1987	15,653	203	198.3	0.509	(0.117)	0.621	(0.169)	0.488	(0.051)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
OSTEOARTHRITIS-MULT SITE 71589	1989	912	34	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	1,046	38	10.2	0.652	(0.189)	2.342	(1.364)	0.324	(0.268)
	1987	1,087	38	9.2	0.663	(0.245)	1.497	(0.816)	0.499	(0.193)
OSTEOARTHRITIS NOS-UNSPEC 71590	1989	719	51	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	741	31	15.5	0.194	(0.173)	2.342	(2.712)	0.759	(0.271)
	1987	1,051	53	4.6	0.842	(0.381)	0.588	(0.311)	0.910	(0.172)
OSTEOARTHRITIS NOS-SHOULDER 71591	1989	1,109	12	12.4	1.000	(.)	1.000	(.)	0.328	(0.133)
	1988	997	15	18.6	0.373	(0.186)	2.179	(1.651)	0.232	(0.206)
	1987	844	17	13.6	0.234	(0.327)	0.387	(0.491)	0.821	(0.225)
OSTEOARTHRITIS NOS-PELVIS 71595	1989	24,321	435	187.4	0.753	(0.097)	0.700	(0.101)	0.557	(0.043)
	1988	24,042	442	191.4	0.733	(0.082)	0.979	(0.145)	0.459	(0.045)
	1987	21,576	430	147.8	0.879	(0.095)	0.916	(0.124)	0.465	(0.049)
OSTEOARTHRITIS NOS-L/LEG 71596	1989	39,143	559	425.2	0.753	(0.083)	0.688	(0.091)	0.429	(0.032)
	1988	36,354	535	395.9	0.656	(0.070)	0.832	(0.107)	0.422	(0.033)
	1987	31,163	475	289.8	0.637	(0.077)	0.813	(0.105)	0.484	(0.038)
OSTEOARTHRITIS NOS-OTH SITE 71598	1989	1,010	41	6.0	0.429	(0.217)	1.353	(0.989)	0.908	(0.265)
	1988	1,212	39	10.2	0.987	(0.381)	0.600	(0.269)	0.620	(0.159)
	1987	1,350	37	19.6	0.225	(0.140)	1.752	(2.127)	0.726	(0.215)
ARTHRITIS NOS-PELVIS 71695	1989	646	11	12.5	0.545	(0.315)	1.262	(0.817)	0.266	(0.185)
	1988	707	19	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	726	28	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
ARTHRITIS NOS-L/LEG 71696	1989	1,240	32	14.3	0.697	(0.231)	1.280	(0.527)	0.380	(0.173)
	1988	1,188	25	27.9	0.378	(0.149)	1.930	(2.036)	0.293	(0.245)
	1987	1,236	29	22.4	0.338	(0.340)	0.435	(0.358)	0.710	(0.170)
ARTHRITIS NOS-ANKLE 71697	1989	199	2	11.5	0.482	(1.159)	0.159	(0.248)	0.246	(0.247)
	1988	196	6	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	195	7	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
JOINT EFFUSION-L/LEG 71906	1989	455	32	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	444	28	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	508	24	14.3	0.554	(0.443)	0.306	(0.384)	0.639	(0.164)
HEMARTHROSIS-L/LEG 71916	1989	373	17	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	411	19	12.3	1.139	(0.422)	0.700	(0.315)	0.287	(0.156)
	1987	458	20	13.7	0.644	(0.238)	2.250	(1.664)	0.154	(0.207)
JOINT PAIN-PELVIS 71945	1989	1,277	146	6.7	1.608	(0.298)	0.548	(0.180)	1.121	(0.162)
	1988	1,359	175	7.0	0.985	(0.131)	2.787	(1.362)	0.738	(0.281)
	1987	1,407	143	2.7	0.950	(0.157)	1.994	(0.799)	0.813	(0.228)
ANKYLOSING SPONDYLITIS 7200	1989	295	22	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	339	30	14.8	3.160	(1.218)	0.715	(0.393)	1.822	(0.700)
	1987	337	24	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
CERVICAL SPONDYLOSIS 7210	1989	4,521	125	33.5	0.631	(0.183)	0.571	(0.211)	0.810	(0.099)
	1988	4,841	114	70.7	0.532	(0.158)	0.458	(0.194)	0.677	(0.086)
	1987	4,934	137	41.1	0.430	(0.090)	1.752	(0.760)	0.613	(0.144)
CERV SPONDYL W MYELOPATHY 7211	1989	2,899	164	11.1	1.067	(0.188)	1.538	(0.569)	1.176	(0.266)
	1988	2,825	161	11.2	1.531	(0.364)	0.457	(0.177)	1.548	(0.185)
	1987	2,662	142	7.2	1.082	(0.201)	1.710	(0.797)	0.979	(0.340)
LUMBOSACRAL SPONDYLOSIS 7213	1989	8,595	284	67.0	0.670	(0.119)	0.641	(0.154)	0.765	(0.067)
	1988	8,916	304	73.2	0.685	(0.102)	0.701	(0.158)	0.716	(0.065)
	1987	9,204	287	103.6	0.419	(0.062)	1.711	(0.561)	0.591	(0.092)
SPOND COMPRESS THOR SP CORD 72141	1989	120	14	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	151	24	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	125	24	15.9	3.043	(0.845)	1.153	(1.067)	0.946	(1.477)
SPOND COMPRESS LUM8 SP CORD 72142	1989	761	40	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	803	22	19.7	0.422	(0.193)	0.695	(0.421)	0.544	(0.183)
	1987	785	28	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
SPONDYLOSIS NOS W/O MYELOPATHY 72190	1989	1,902	91	20.1	0.329	(0.117)	2.688	(3.081)	0.765	(0.259)
	1988	2,261	139	4.6	0.695	(0.195)	1.248	(1.121)	0.898	(0.245)
	1987	2,775	159	11.5	0.689	(0.165)	0.725	(0.305)	1.004	(0.122)
CERVICAL DISC DISPLACEMENT 7220	1989	2,471	20	51.0	0.570	(0.329)	0.310	(0.220)	0.348	(0.113)
	1988	2,211	37	17.4	0.828	(0.350)	0.397	(0.180)	0.697	(0.155)
	1987	1,907	20	33.6	1.296	(0.646)	0.236	(0.107)	0.390	(0.130)
LUMBAR DISC DISPLACEMENT 72210	1989	23,511	330	432.9	0.472	(0.063)	0.748	(0.128)	0.387	(0.037)
	1988	23,396	356	401.4	0.560	(0.071)	0.704	(0.116)	0.393	(0.036)
	1987	22,441	349	375.9	0.419	(0.067)	0.644	(0.148)	0.512	(0.043)
CERVICAL DISC DEGENERATION 7224	1989	853	22	13.6	0.274	(0.313)	0.306	(0.343)	1.025	(0.237)
	1988	916	32	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	983	22	12.7	0.861	(0.472)	0.452	(0.306)	0.558	(0.183)
LUM8/LUMBOSACRAL DISC DEGENERATION 72252	1989	5,294	126	84.9	0.347	(0.089)	1.284	(0.567)	0.550	(0.095)
	1988	5,695	167	80.0	0.348	(0.068)	1.875	(1.150)	0.588	(0.151)
	1987	6,055	155	83.1	0.487	(0.100)	0.946	(0.279)	0.564	(0.080)
LUM8 DISC DISPLACEMENT W MYELOPATHY 72273	1989	1,147	28	15.2	0.684	(0.329)	0.445	(0.211)	0.680	(0.175)
	1988	1,147	24	15.4	0.598	(0.307)	0.747	(0.522)	0.505	(0.185)
	1987	1,118	25	15.9	0.558	(0.252)	0.884	(0.628)	0.476	(0.172)
POSTLAMINECTOMY SYNDROME-LUMBAR 72283	1989	871	13	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	781	12	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	735	9	12.6	2.359	(2.568)	0.055	(0.044)	0.775	(0.292)
DISC DISPLACEMENT NEC/NOS-LUMBAR 72293	1989	1,231	27	33.3	0.248	(0.126)	1.369	(0.880)	0.513	(0.181)
	1988	1,343	36	21.9	0.698	(0.214)	0.792	(0.450)	0.408	(0.158)
	1987	1,518	49	6.0	0.679	(0.248)	0.886	(0.417)	0.810	(0.194)
CERVICAL SPINAL STENOSIS 7230	1989	1,144	55	4.8	0.619	(0.237)	2.041	(1.909)	1.301	(0.440)
	1988	1,035	55	3.3	0.957	(0.357)	0.968	(0.493)	1.483	(0.335)
	1987	822	39	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)

* ESTIMATE IMPUTED

TABLE 48
ICO-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS

ICO-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK				LONG TERM	
					EXCESS	INITIAL	PERSISTENCE			
BRACHIAL NEURITIS NOS 7234	1989	1,605	42	16.4	0.464	(0.146)	1.965	(1.162)	0.450	(0.210)
	1988	1,855	50	23.9	0.580	(0.139)	1.000	(.)	0.495	(0.137)
	1987	2,124	61	19.7	0.660	(0.198)	0.679	(0.259)	0.700	(0.142)
SPINAL STENOSIS-LUMBAR 72402	1989	22,601	513	172.7	0.556	(0.066)	0.910	(0.150)	0.644	(0.049)
	1988	21,230	474	202.9	0.557	(0.065)	0.981	(0.182)	0.558	(0.049)
	1987	19,337	416	173.0	0.581	(0.081)	0.854	(0.201)	0.591	(0.056)
LUM8AGO 7242	1989	6,376	355	9.7	0.880	(0.101)	0.945	(0.216)	0.852	(0.095)
	1988	7,036	391	13.7	0.831	(0.099)	0.739	(0.189)	1.011	(0.095)
	1987	7,400	361	19.0	0.760	(0.091)	0.900	(0.197)	0.904	(0.090)
SCIATICA 7243	1989	2,259	66	39.9	0.526	(0.141)	1.100	(0.400)	0.457	(0.117)
	1988	2,443	70	60.7	0.571	(0.160)	0.531	(0.222)	0.506	(0.093)
	1987	2,853	89	32.1	0.541	(0.124)	1.726	(1.082)	0.422	(0.202)
LUM8OSACRAL NEURITIS NOS 7244	1989	3,769	88	80.9	0.548	(0.112)	0.926	(0.284)	0.359	(0.081)
	1988	4,210	152	23.9	0.553	(0.115)	1.236	(0.707)	0.770	(0.166)
	1987	4,657	123	60.3	0.410	(0.112)	1.385	(1.059)	0.573	(0.153)
BACKACHE NOS 7245	1989	2,093	201	3.8	1.141	(0.155)	1.023	(0.331)	1.147	(0.205)
	1988	2,221	210	6.1	1.357	(0.189)	0.661	(0.197)	1.204	(0.166)
	1987	2,244	209	3.1	1.219	(0.175)	0.874	(0.347)	1.094	(0.202)
POLYMYALGIA RHEUMATICA 725	1989	1,411	96	16.9	0.405	(0.156)	3.543	(2.012)	1.022	(0.288)
	1988	1,486	88	12.4	0.490	(0.137)	5.345	(4.723)	0.459	(0.378)
	1987	1,600	108	6.2	0.593	(0.239)	0.907	(0.890)	1.343	(0.245)
ROTATOR CUFF SYNO NOS 72610	1989	927	15	19.4	0.605	(0.329)	0.548	(0.317)	0.391	(0.156)
	1988	801	14	17.4	0.703	(0.410)	0.530	(0.425)	0.357	(0.155)
	1987	837	8	39.1	0.400	(0.211)	0.814	(0.439)	0.082	(0.078)
SHOULDER REGION OIS NEC 7262	1989	1,496	13	28.6	1.464	(1.692)	0.049	(0.045)	0.524	(0.157)
	1988	1,295	6	37.3	1.062	(0.884)	0.177	(0.115)	0.152	(0.088)
	1987	1,103	8	10.9	1.000	(.)	1.000	(.)	0.246	(0.146)
OLECRANON BURSTITIS 72633	1989	974	39	16.0	0.573	(0.168)	4.429	(2.281)	0.116	(0.236)
	1988	953	56	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	974	45	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
ENTHESOPATHY OF HIP 7265	1989	1,076	30	56.3	37.800	(46.84)	0.000	(0.000)	0.711	(0.132)
	1988	1,148	41	29.8	1.568	(0.775)	0.050	(0.024)	0.812	(0.144)
	1987	1,315	42	28.0	0.535	(0.274)	0.363	(0.252)	0.711	(0.142)
PREPATELLAR BURSTITIS 72665	1989	344	7	12.5	9.846	(18.97)	0.011	(0.017)	0.538	(0.219)
	1988	329	14	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	318	9	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
SYNOVITIS NOS 72700	1989	542	17	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	596	15	14.0	0.193	(0.306)	0.689	(1.030)	0.658	(0.239)
	1987	666	26	11.8	0.359	(0.349)	0.285	(0.333)	1.195	(0.272)
8UNION 7271	1989	2,463	9	28.8	1.000	(.)	1.000	(.)	0.196	(0.084)
	1988	2,783	11	34.7	1.000	(.)	1.000	(.)	0.190	(0.076)
	1987	3,337	18	62.1	1.173	(0.963)	0.094	(0.053)	0.352	(0.094)
POPLITEAL SYNOVIAL CYST 72751	1989	741	7	28.6	0.071	(0.142)	0.767	(1.610)	0.343	(0.147)
	1988	814	7	35.0	0.018	(0.111)	1.051	(3.445)	0.341	(0.150)
	1987	871	7	29.7	0.186	(0.164)	1.449	(1.495)	0.191	(0.166)
ROTATOR CUFF RUPTURE 72761	1989	1,178	12	23.6	3.095	(2.570)	0.093	(0.071)	0.430	(0.158)
	1988	856	3	28.0	0.393	(0.423)	0.480	(0.406)	0.085	(0.085)
	1987	650	6	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
INFECTIVE MYOSITIS 7280	1989	56	6	112.0*	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	75	15	14.6	7.237	(4.207)	0.117	(0.068)	2.868	(1.070)
	1987	71	14	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
CONTRACTED PALMAR FASCIA 7286	1989	1,196	9	28.6	0.909	(1.093)	0.120	(0.103)	0.333	(0.125)
	1988	1,361	10	33.8	0.119	(0.312)	0.307	(0.723)	0.365	(0.125)
	1987	1,757	8	55.9	0.795	(1.261)	0.060	(0.066)	0.222	(0.084)
MUSCLE/LIGAMENT DIS NEC 72889	1989	729	92	12.3	1.664	(0.346)	0.891	(0.341)	1.355	(0.320)
	1988	739	97	21.8	1.806	(0.296)	1.662	(0.559)	0.809	(0.379)
	1987	622	64	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
MYALGIA AND MYOSITIS NOS 7291	1989	1,602	64	23.2	0.441	(0.159)	0.787	(0.508)	0.825	(0.165)
	1988	1,900	57	51.3	0.627	(0.227)	0.319	(0.167)	0.606	(0.109)
	1987	2,112	77	35.3	0.430	(0.134)	1.015	(0.508)	0.658	(0.144)
FASCIITIS NOS 7294	1989	236	71	99.8	4.692	(1.423)	0.551	(0.394)	5.654	(1.643)
	1988	222	81	138.1	5.700	(1.026)	1.293	(0.760)	3.460	(2.363)
	1987	184	65	113.7	6.555	(1.133)	1.208	(0.356)	2.284	(1.252)
PAIN IN LIMB 7295	1989	1,764	90	12.2	1.134	(0.252)	0.642	(0.302)	0.630	(0.172)
	1988	1,842	86	18.4	0.626	(0.128)	1.108	(0.410)	0.643	(0.161)
	1987	2,005	96	11.6	0.841	(0.167)	0.839	(0.279)	0.687	(0.149)
AC OSTEOMYELITIS-PELVIS 73005	1989	223	42	25.0	2.509	(0.660)	3.101	(1.822)	0.735	(1.043)
	1988	248	54	43.6	1.267	(0.521)	2.422	(2.056)	4.201	(1.467)
	1987	171	18	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
AC OSTEOMYELITIS-ANKLE 73007	1989	1,721	185	47.9	0.861	(0.193)	3.171	(1.451)	1.629	(0.338)
	1988	1,530	167	28.2	0.743	(0.176)	1.706	(0.892)	1.860	(0.315)
	1987	1,296	139	32.4	0.625	(0.192)	1.771	(1.747)	2.055	(0.393)
OSTEOMYELITIS NOS-PELVIS 73025	1989	403	67	49.2	1.089	(0.408)	5.696	(4.488)	2.626	(0.889)
	1988	419	60	19.3	1.228	(0.385)	0.936	(0.618)	2.811	(0.791)
	1987	424	53	17.3	0.767	(0.347)	1.721	(1.056)	2.661	(0.695)
OSTEOMYELITIS NOS-ANKLE 73027	1989	3,200	326	43.9	0.877	(0.153)	1.055	(0.319)	1.834	(0.181)
	1988	3,357	334	62.9	0.595	(0.099)	3.012	(1.484)	1.680	(0.258)
	1987	3,035	290	42.5	0.631	(0.121)	1.401	(0.531)	1.867	(0.203)
OSTEOMYELIT NOS-OTH SITE 73028	1989	810	86	14.8	0.660	(0.198)	2.606	(1.830)	1.722	(0.457)
	1988	861	80	85.2*	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	793	79	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
OSTEOPOROSIS NOS 73300	1989	1,258	135	16.6	0.952	(0.170)	5.609	(2.855)	0.505	(0.331)
	1988	1,481	153	17.7	0.759	(0.150)	4.389	(2.094)	0.885	(0.300)
	1987	1,880	167	9.6	0.862	(0.143)	5.275	(2.467)	0.519	(0.252)
PATHOLOGICAL FRACTURE 7331	1989	26,265	4,484	531.6	1.245	(0.026)	3.676	(0.338)	0.459	(0.067)
	1988	26,326	4,420	578.0	1.283	(0.027)	3.520	(0.309)	0.458	(0.077)
	1987	27,321	4,140	412.7	1.244	(0.029)	2.727	(0.261)	0.624	(0.069)
ASEPTIC NECROSIS FEMUR 73342	1989	3,812	111	8.7	0.635	(0.140)	1.615	(0.745)	0.710	(0.187)
	1988	3,829	131	3.4	0.896	(0.154)	1.177	(0.300)	0.752	(0.149)
	1987	3,610	127	6.8	0.777	(0.131)	1.735	(0.495)	0.640	(0.175)
NONUNION OF FRACTURE 73382	1989	4,113	163	19.0	0.407	(0.097)	2.618	(1.692)	0.942	(0.197)
	1988	4,013	143	17.4	0.954	(0.193)	0.483	(0.172)	0.865	(0.132)
	1987	3,906	135	14.6	0.889	(0.180)	0.712	(0.221)	0.761	(0.128)
BONE & CARTILAGE DIS NOS 73390	1989	480	74	23.7	1.735	(0.260)	4.373	(2.189)	0.050	(0.573)
	1988	510	85	22.2	1.554	(0.270)	0.996	(0.449)	2.181	(0.567)
	1987	670	90	134.8*	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)
BONE & CARTILAGE DIS NEC 73399	1989	3,459	98	108.1	0.238	(0.060)	2.483	(1.788)	0.436	(0.149)
	1988	3,419	108	85.1	0.420	(0.100)	0.763	(0.311)	0.579	(0.095)
	1987	3,571	84	136.4	0.262	(0.090)	0.621	(0.336)	0.531	(0.087)
HALLUX VALGUS 7350	1989	3,737	18	70.1	0.048	(0.083)	1.000	(.)	0.356	(0.100)
	1988	4,731	21	89.6	0.099	(0.089)	1.220	(1.173)	0.278	(0.082)
	1987	5,900	15	83.5	1.000	(.)	1.000	(.)	0.085	(0.045)
OTHER HAMMER TOE 7354	1989	688	5	13.8	0.246	(0.400)	0.516	(0.549)	0.377	(0.215)
	1988	837	5	21.1	8.293	(11.4)	0.008	(0.009)	0.320	(0.160)
	1987	1,109	8	20.2	0.181	(0.135)	5.952	(9.290)	0.070	(0.321)
ACQ SPONDYLOLISTHESIS 7384	1989	1,844	40	14.9	0.723	(0.275)	0.656	(0.305)	0.616	(0.154)
	1988	1,860	34	24.0	0.519	(0.255)	0.645	(0.377)	0.564	(0.136)
	1987	1,854	43	17.7	0.881	(0.247)	1.054	(0.362)	0.342	(0.142)
* ESTIMATE IMPUTED										
UNSPECIFIED CODES										
(USED TO IMPUTE ESTIMATES)										
	1989	119,158	5,417	112.0	0.826	(0.025)	1.141	(0.074)	0.852	(0.028)
	1988	118,334	5,431	85.2	0.869	(0.027)	0.951	(0.059)	0.929	(0.026)
	1987	127,861	5,629	134.8	0.794	(0.025)	1.103	(0.072)	0.885	(0.027)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
LOW RISK DISORDERS: OTHER DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK				LONG TERM	
					EXCESS	INITIAL	PERSISTENCE			
AFTERCARE W PLASTIC SURG V51	1989	820	21	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	894	11	26.0	0.382	(0.188)	1.554	(1.100)	0.119	(0.129)
	1987	707	12	11.4	1.434	(1.741)	0.051	(0.081)	0.769	(0.252)
ADJUST CARDIAC PACEMAKER V533	1989	269	6	15.1	0.295	(0.506)	0.187	(0.370)	0.779	(0.439)
	1988	233	15	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	237	7	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
REMOVAL INT FIXATION DEV V540	1989	1,715	30	22.8	0.618	(0.312)	0.345	(0.286)	0.656	(0.184)
	1988	1,918	38	23.3	0.471	(0.221)	0.520	(0.459)	0.794	(0.208)
	1987	2,326	35	47.5	0.409	(0.181)	0.547	(0.405)	0.510	(0.153)
ATTEN TO GASTROSTOMY V551	1989	333	93	59.9	1.655	(0.262)	23.699	(43.85)	1.640	(1.113)
	1988	318	100	81.1	1.690	(0.243)	43.804	(80.3)	1.617	(0.821)
	1987	271	78	37.9	1.559	(0.300)	5.716	(5.173)	2.222	(1.237)
ATTEN TO COLOSTOMY V553	1989	5,490	184	177.5	0.443	(0.052)	2.459	(0.792)	0.183	(0.089)
	1988	5,438	188	151.4	0.435	(0.062)	1.416	(0.536)	0.395	(0.101)
	1987	5,211	193	146.8	0.478	(0.070)	1.023	(0.361)	0.442	(0.106)
ATTEN TO ENTEROSTOMY NEC V554	1989	75	18	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	91	26	16.9	1.176	(0.489)	79.472	(424.7)	3.035	(1.670)
	1987	88	27	15.5	3.122	(0.886)	0.889	(0.533)	1.110	(0.699)
PHYSICAL THERAPY NEC V571	1989	1,585	125	10.6	0.792	(0.166)	0.451	(0.192)	1.712	(0.330)
	1988	1,559	132	3.2	0.844	(0.155)	0.743	(0.251)	1.412	(0.364)
	1987	1,315	119	6.4	0.679	(0.142)	1.145	(0.844)	1.558	(0.425)
REHABILITATION PROC NEC V5789	1989	1,515	116	1.5	0.840	(0.155)	1.109	(0.535)	1.282	(0.353)
	1988	1,475	116	4.0	0.824	(0.119)	2.708	(1.402)	0.615	(0.342)
	1987	1,350	123	4.9	0.974	(0.195)	0.836	(0.463)	1.669	(0.405)
MAINTENANCE CHEMOTHERAPY V581	1989	34,680	12,026	664.5	0.386	(0.032)	1.000	(.)	1.566	(0.023)
	1988	32,855	11,752	677.5	0.458	(0.033)	1.000	(.)	1.569	(0.024)
	1987	29,767	10,807	588.9	0.467	(0.036)	1.000	(.)	1.595	(0.027)
POSTSURG AFTERCARE NEC V584	1989	3,757	169	163.7	1.134	(0.201)	0.217	(0.061)	0.443	(0.054)
	1988	4,098	184	156.6	0.565	(0.061)	2.947	(0.671)	0.110	(0.055)
	1987	4,099	172	170.2	0.430	(0.054)	4.434	(1.621)	0.126	(0.072)
NO FAMILY ABLE TO CARE V604	1989	69	9	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	33	8	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	54	14	17.6	1.362	(1.625)	0.571	(0.989)	10.430	(4.919)
SURGERY FOLLOW-UP V670	1989	1,706	44	34.3	2.214	(1.793)	0.018	(0.024)	0.780	(0.135)
	1988	1,936	51	51.3	0.211	(0.106)	2.085	(2.012)	0.563	(0.153)
	1987	2,407	45	105.1	0.212	(0.078)	1.925	(1.397)	0.293	(0.107)
OBSV-SUSPCT MAL NEOPLASM V711	1989	796	50	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	1,170	77	20.1	0.697	(0.151)	7.110	(3.379)	0.442	(0.241)
	1987	1,492	113	19.7	0.797	(0.148)	5.810	(2.187)	0.483	(0.252)
OBS-SUSP CARDIOVASC DIS V717	1989	4,563	137	56.4	0.787	(0.186)	0.324	(0.136)	0.812	(0.112)
	1988	6,007	185	73.4	0.608	(0.094)	0.867	(0.235)	0.579	(0.094)
	1987	4,893	159	81.4	0.467	(0.068)	2.129	(0.720)	0.308	(0.113)
OBSERV-SUSPECT COND NEC V718	1989	2,303	127	8.5	0.724	(0.116)	1.925	(0.553)	0.647	(0.189)
	1988	3,041	195	4.7	0.935	(0.162)	0.702	(0.282)	1.003	(0.161)
	1987	3,625	196	28.2	0.607	(0.093)	1.506	(0.535)	0.665	(0.133)
SALMONELLA ENTERITIS 0030	1989	1,225	60	11.0	1.133	(0.316)	0.420	(0.182)	0.777	(0.191)
	1988	1,374	70	5.9	0.905	(0.228)	0.656	(0.296)	0.879	(0.244)
	1987	1,390	72	5.8	1.295	(0.330)	0.448	(0.154)	1.000	(.)
SALMONELLA SEPTICEMIA 0031	1989	270	79	77.2	3.145	(0.478)	3.799	(1.376)	0.077	(0.715)
	1988	240	75	75.2	3.520	(0.547)	2.595	(1.020)	0.356	(0.641)
	1987	292	110	172.1	6.664	(0.979)	0.685	(0.193)	2.780	(0.900)
FOOD POISONING NOS 0059	1989	398	10	15.0	0.889	(0.744)	0.157	(0.120)	0.568	(0.231)
	1988	413	8	18.2	0.255	(0.204)	1.256	(1.916)	0.305	(0.239)
	1987	407	8	19.0	1.275	(0.736)	0.313	(0.172)	0.161	(0.146)
PSEUDOMONAS ENTERITIS 00842	1989	98	16	11.5	3.551	(1.635)	0.370	(0.213)	3.285	(1.800)
	1988	75	6	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	90	14	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
BACTERIAL ENTERITIS NEC 00849	1989	2,768	408	59.2	1.582	(0.118)	1.233	(0.233)	0.978	(0.191)
	1988	1,851	267	35.6	1.664	(0.174)	0.814	(0.243)	1.260	(0.304)
	1987	1,386	156	11.9	1.625	(0.215)	0.610	(0.172)	0.893	(0.237)
VIRAL ENTERITIS NOS 0088	1989	9,165	477	51.1	0.666	(0.050)	1.971	(0.325)	0.504	(0.100)
	1988	9,848	543	44.6	0.785	(0.086)	0.734	(0.191)	0.937	(0.102)
	1987	8,766	464	56.5	0.638	(0.059)	1.388	(0.275)	0.676	(0.095)
ERYSIPELAS 035	1989	839	29	17.0	0.899	(0.241)	1.022	(0.362)	0.103	(0.117)
	1988	888	40	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	857	39	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
PULMONARY ACTINOMYCOSIS 0391	1989	98	35	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	97	25	24.1	3.019	(1.164)	1.094	(0.772)	3.377	(1.559)
	1987	68	17	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
STREPTOCOCCUS INFECT NOS 0410	1989	83	15	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	84	15	17.1	8.354	(3.963)	0.095	(0.043)	2.556	(1.136)
	1987	84	12	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
STAPH INFECTION NOS 0411	1989	243	45	20.2	1.961	(0.544)	0.669	(0.400)	2.943	(0.988)
	1988	247	52	41.2	2.798	(0.506)	2.133	(0.698)	0.302	(0.805)
	1987	275	49	21.3	2.413	(0.640)	0.778	(0.533)	1.901	(0.714)
VIRAL ENCEPHALITIS NOS 0499	1989	285	39	27.7	3.439	(1.090)	0.842	(0.540)	1.890	(0.967)
	1988	328	50	41.2	3.048	(0.650)	1.568	(0.466)	1.137	(0.697)
	1987	322	58	60.7	4.193	(0.907)	1.243	(0.407)	1.491	(0.736)
H ZOSTER NERV SYST NEC 05319	1989	996	79	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	991	105	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	1,056	100	10.3	0.965	(0.205)	1.675	(0.869)	1.448	(0.465)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

LOW RISK DISORDERS: OTHER DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
H ZOSTER COMPLICATED NEC 05379	1989	736	72	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	811	94	17.1	1.760	(0.329)	1.331	(0.603)	0.442	(0.269)
	1987	799	96	16.0	1.965	(0.325)	0.955	(0.232)	0.523	(0.212)
HERPES ZOSTER NOS 0539	1989	3,979	354	5.1	1.205	(0.134)	0.971	(0.227)	0.828	(0.119)
	1988	4,035	355	16.6	1.396	(0.143)	0.882	(0.170)	0.712	(0.106)
	1987	4,399	355	13.9	0.946	(0.093)	1.410	(0.261)	0.592	(0.106)
CYTOMEGAL INCLUSION DIS 0785	1989	322	62	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	249	51	56.6	2.398	(0.845)	0.834	(0.425)	5.017	(1.119)
	1987	267	47	36.1	3.130	(0.796)	1.294	(0.514)	1.958	(0.664)
VIRAL INFECTION NOS 0799	1989	6,616	375	14.0	0.886	(0.097)	0.878	(0.197)	0.843	(0.116)
	1988	6,740	368	34.1	0.683	(0.073)	1.291	(0.323)	0.707	(0.113)
	1987	5,126	308	32.4	0.691	(0.066)	2.231	(0.482)	0.433	(0.117)
SARCOIDOSIS 135	1989	497	67	81.9	4.101	(1.162)	0.886	(0.374)	3.908	(0.789)
	1988	445	54	54.8	3.680	(0.935)	1.256	(0.396)	2.439	(0.701)
	1987	488	69	78.4	4.253	(1.069)	0.969	(0.492)	3.137	(0.849)
MALIG NEO SKIN EYELID 1731	1989	430	12	26.9	1.980	(1.114)	0.107	(0.063)	0.258	(0.151)
	1988	572	19	16.2	0.756	(0.264)	1.185	(0.540)	0.146	(0.154)
	1987	644	19	18.5	0.547	(0.332)	0.479	(0.495)	0.523	(0.213)
MALIG NEO SKIN EAR 1732	1989	593	64	11.7	1.150	(0.224)	3.507	(1.623)	0.092	(0.236)
	1988	663	63	11.5	0.919	(0.187)	5.452	(2.842)	0.168	(0.234)
	1987	774	94	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
MAL NEO SKIN FACE NEC 1733	1989	1,792	125	11.8	1.726	(0.479)	0.202	(0.095)	1.065	(0.159)
	1988	2,215	180	20.9	0.908	(0.098)	5.907	(1.877)	0.046	(0.176)
	1987	2,549	181	13.8	0.706	(0.101)	2.548	(0.776)	0.610	(0.159)
MAL NEO SCALP/SKIN NECK 1734	1989	539	80	18.7	2.943	(0.704)	0.374	(0.132)	1.265	(0.276)
	1988	698	100	17.2	1.018	(0.222)	7.711	(5.673)	0.876	(0.345)
	1987	664	86	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
MALIG NEO SKIN TRUNK 1735	1989	429	53	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	486	66	22.9	1.834	(0.448)	1.978	(0.972)	1.198	(0.482)
	1987	568	63	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
MALIG NEO SKIN NEC 1738	1989	86	25	22.1	3.882	(1.994)	0.257	(0.166)	3.529	(1.043)
	1988	97	21	12.5	1.443	(1.982)	0.365	(1.082)	3.559	(1.175)
	1987	69	14	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
MALIG NEO NIPPLE 1740	1989	2,298	77	91.0	0.490	(0.126)	1.773	(0.964)	0.246	(0.092)
	1988	2,671	91	97.0	0.469	(0.113)	2.087	(1.315)	0.245	(0.111)
	1987	2,484	104	78.7	0.881	(0.168)	1.056	(0.265)	0.272	(0.067)
MAL NEO BREAST-CENTRAL 1741	1989	2,500	81	104.7	0.490	(0.096)	2.874	(1.063)	0.141	(0.073)
	1988	2,850	87	125.7	0.747	(0.269)	0.437	(0.248)	0.351	(0.067)
	1987	2,340	73	98.7	0.813	(0.258)	0.517	(0.227)	0.331	(0.067)
MAL NEO BREAST UP-INNER 1742	1989	3,472	59	188.2	0.262	(0.071)	2.782	(1.463)	0.128	(0.062)
	1988	3,763	83	147.8	0.440	(0.105)	1.383	(0.453)	0.228	(0.061)
	1987	3,445	77	146.8	0.745	(0.445)	0.179	(0.156)	0.406	(0.059)
MAL NEO BREAST LOW-INNER 1743	1989	1,740	47	57.6	0.700	(0.325)	0.445	(0.216)	0.402	(0.085)
	1988	1,978	55	80.3	0.545	(0.132)	1.865	(0.773)	0.150	(0.103)
	1987	1,737	42	77.7	0.485	(0.164)	1.304	(0.591)	0.214	(0.078)
MAL NEO BREAST UP-OUTER 1744	1989	14,087	306	824.4	0.352	(0.046)	2.014	(0.614)	0.144	(0.035)
	1988	15,910	386	818.7	0.384	(0.039)	2.401	(0.473)	0.136	(0.033)
	1987	13,839	372	650.0	0.394	(0.055)	1.767	(0.535)	0.225	(0.039)
MAL NEO BREAST LOW-OUTER 1745	1989	2,552	58	156.1	0.229	(0.094)	1.845	(1.361)	0.244	(0.071)
	1988	2,777	75	142.4	0.400	(0.126)	1.078	(0.516)	0.280	(0.063)
	1987	2,560	71	127.8	0.355	(0.120)	1.480	(0.686)	0.273	(0.070)
MAL NEO BREAST-AXILLARY 1746	1989	533	29	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	622	31	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	631	34	12.7	1.110	(0.519)	0.460	(0.233)	0.586	(0.152)
MALIGN NEOPL BREAST NEC 1748	1989	14,737	879	159.9	1.664	(0.126)	0.715	(0.080)	0.508	(0.041)
	1988	15,132	916	155.6	1.745	(0.154)	0.585	(0.084)	0.575	(0.043)
	1987	12,880	858	109.5	1.871	(0.168)	0.474	(0.061)	0.693	(0.044)
MALIGN NEOPL BREAST NOS 1749	1989	14,114	1,289	502.9	5.067	(0.322)	0.280	(0.026)	0.904	(0.053)
	1988	15,453	1,326	393.5	4.209	(0.283)	0.281	(0.029)	0.940	(0.053)
	1987	14,777	1,604	527.3	4.481	(0.272)	0.337	(0.032)	1.091	(0.058)
MAL NEO MALE NIPPLE 1750	1989	145	6	19.7	2.440	(2.280)	0.034	(0.028)	0.269	(0.135)
	1988	146	7	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	149	8	16.5	4.781	(3.597)	0.064	(0.036)	0.335	(0.167)
MAL NEO MALE BREAST NEC 1759	1989	266	23	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	259	22	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	245	22	14.5	5.216	(2.526)	0.106	(0.049)	0.601	(0.184)
MALIG NEO ENDOCERVIX 1800	1989	523	76	43.9	2.151	(0.364)	4.526	(1.687)	0.179	(0.375)
	1988	547	96	65.6	1.861	(0.308)	16.400	(10.82)	0.014	(0.445)
	1987	527	104	86.0	1.981	(0.379)	13.637	(7.201)	0.241	(0.533)
MALIG NEO CORPUS UTERI 1820	1989	11,818	908	130.7	2.061	(0.159)	0.912	(0.109)	1.071	(0.082)
	1988	11,845	977	189.8	2.533	(0.202)	0.663	(0.090)	1.188	(0.085)
	1987	11,531	1,032	242.8	2.460	(0.194)	0.744	(0.095)	1.375	(0.091)
MAL NEO BODY UTERUS NEC 1828	1989	102	28	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	116	40	49.2	5.057	(1.510)	1.407	(1.067)	2.139	(1.331)
	1987	106	36	46.1	4.200	(1.943)	0.678	(0.532)	4.447	(1.281)
MAL NEO BLADDER-TRIGONE 1880	1989	1,264	188	62.7	1.656	(0.172)	4.477	(1.212)	0.011	(0.151)
	1988	1,339	192	30.8	1.980	(0.204)	1.000	(0.000)	0.609	(0.111)
	1987	1,381	197	49.7	1.358	(0.146)	4.774	(1.365)	0.141	(0.115)
MAL NEO BLADDER-DOME 1881	1989	1,772	204	22.0	1.562	(0.156)	1.000	(.)	0.546	(0.097)
	1988	1,996	210	18.5	1.432	(0.150)	1.000	(.)	0.543	(0.096)
	1987	1,990	206	9.1	0.727	(0.110)	2.641	(0.946)	1.000	(.)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
LOW RISK DISORDERS: OTHER DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK				LONG TERM	
					EXCESS	INITIAL	PERSISTENCE			
MAL NEO BLADDER-LATERAL 1882	1989	4,143	372	14.9	0.804	(0.096)	2.740	(0.830)	1.000	(0.089)
	1988	4,457	379	84.8	1.031	(0.079)	4.307	(0.737)	0.068	(0.216)
	1987	4,391	399	19.8	0.694	(0.082)	3.105	(0.882)	1.000	(0.089)
MAL NEO BLADDER-ANTERIOR 1883	1989	841	102	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	934	125	24.0	1.313	(0.177)	4.703	(1.987)	0.160	(0.216)
	1987	930	125	16.9	1.345	(0.205)	3.282	(1.050)	0.230	(0.223)
MAL NEO BLADDER-POST 1884	1989	2,154	199	10.9	0.846	(0.124)	2.190	(0.619)	1.000	(0.097)
	1988	2,208	215	19.3	1.508	(0.153)	1.000	(0.000)	0.563	(0.000)
	1987	2,257	239	21.2	0.731	(0.106)	4.651	(2.110)	1.000	(0.000)
MAL NEO BLADDER NECK 1885	1989	1,596	180	17.3	0.760	(0.118)	5.409	(3.029)	1.000	(0.111)
	1988	1,822	221	13.3	1.536	(0.171)	1.000	(0.000)	0.639	(0.000)
	1987	1,885	208	3.6	0.929	(0.153)	1.806	(0.683)	1.000	(0.000)
MAL NEO URETERIC ORIFICE 1886	1989	1,154	83	17.2	0.858	(0.151)	6.367	(2.819)	0.042	(0.189)
	1988	1,388	112	15.9	0.911	(0.148)	4.618	(1.722)	0.307	(0.186)
	1987	1,424	90	21.7	0.834	(0.139)	3.795	(1.160)	0.045	(0.171)
MALIGN NEOPL CHOROID 1906	1989	406	12	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	366	9	12.5	8.611	(6.425)	0.045	(0.025)	0.518	(0.231)
	1987	376	10	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
MALIGN NEOPL EYE NOS 1909	1989	52	4	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	64	9	13.7	15.453	(11.49)	0.094	(0.087)	3.076	(1.838)
	1987	51	3	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
MAL NEO CEREBRAL MENING 1921	1989	251	83	157.4	5.669	(1.020)	2.799	(1.005)	2.148	(0.936)
	1988	258	77	116.0	3.530	(0.656)	5.957	(2.633)	1.331	(0.961)
	1987	234	83	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
BEN NEO MAJOR SALIVARY 2102	1989	2,825	22	74.2	0.150	(0.088)	2.044	(1.898)	0.239	(0.129)
	1988	3,048	33	63.3	0.246	(0.073)	4.427	(2.272)	0.062	(0.062)
	1987	2,887	26	81.5	0.031	(0.047)	86.114	(958)	0.356	(0.215)
BENIGN NEOPLASM STOMACH 2111	1989	954	58	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	1,005	70	5.3	1.189	(0.225)	1.720	(0.561)	0.474	(0.307)
	1987	1,021	62	0.4	1.054	(0.260)	1.152	(0.538)	0.854	(0.345)
BENIGN NEOPLASM LG BOWEL 2113	1989	7,274	326	19.4	0.985	(0.099)	1.031	(0.174)	0.589	(0.102)
	1988	7,781	368	58.5	0.628	(0.047)	5.699	(1.115)	0.053	(0.117)
	1987	8,125	360	38.0	0.709	(0.064)	2.101	(0.388)	0.415	(0.109)
BENIGN NEOPL RECTUM/ANUS 2114	1989	1,223	38	15.6	0.704	(0.164)	1.957	(0.653)	0.088	(0.172)
	1988	1,320	48	9.7	0.627	(0.140)	2.831	(1.173)	0.196	(0.267)
	1987	1,296	43	10.6	0.847	(0.257)	0.642	(0.257)	0.656	(0.201)
BENIGN NEOPLASM PANCREAS 2116	1989	136	9	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	161	22	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	132	17	12.4	2.491	(1.635)	0.701	(0.680)	3.517	(1.490)
BEN NEO ISLETS LANGERHAN 2117	1989	58	8	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	69	15	12.0	3.040	(1.043)	1.418	(0.896)	1.148	(1.208)
	1987	59	10	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
BENIGN NEO BRONCHUS/LUNG 2123	1989	367	29	15.8	3.923	(1.473)	0.552	(0.258)	1.619	(0.618)
	1988	400	29	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	402	21	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
LIPOMA SKIN NEC 2141	1989	757	6	21.8	0.290	(0.367)	0.316	(0.460)	0.350	(0.176)
	1988	966	13	15.9	0.602	(0.293)	1.307	(0.620)	0.141	(0.232)
	1987	1,174	12	25.3	0.409	(0.290)	0.649	(0.503)	0.328	(0.148)
BENIGN NEOPLASM BREAST 217	1989	597	9	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	918	11	15.9	0.143	(0.226)	0.657	(0.991)	0.691	(0.242)
	1987	1,136	14	14.7	0.457	(0.281)	0.808	(0.508)	0.445	(0.192)
UTERINE LEIOMYOMA NOS 2189	1989	1,753	26	19.2	1.155	(0.343)	1.240	(0.361)	0.140	(0.098)
	1988	1,844	23	20.4	0.516	(0.186)	2.344	(1.063)	0.185	(0.133)
	1987	2,000	36	8.2	0.690	(0.254)	1.284	(0.562)	0.545	(0.162)
BENIGN NEOPLASM OVARY 220	1989	4,703	63	50.3	0.636	(0.183)	0.902	(0.414)	0.352	(0.122)
	1988	4,585	61	60.7	0.919	(0.249)	0.484	(0.156)	0.376	(0.089)
	1987	4,307	69	62.7	0.800	(0.147)	1.249	(0.241)	0.128	(0.058)
BENIGN NEOPLASM THYROID 226	1989	2,435	20	53.8	0.739	(0.369)	0.441	(0.271)	0.219	(0.094)
	1988	2,314	24	37.9	0.328	(0.189)	1.121	(0.603)	0.349	(0.134)
	1987	2,308	14	65.8	0.430	(0.297)	0.333	(0.175)	0.239	(0.087)
BENIGN NEO PARATHYROID 2271	1989	1,444	23	18.3	0.392	(0.157)	1.987	(1.193)	0.328	(0.206)
	1988	1,579	22	28.7	0.600	(0.191)	1.324	(0.455)	0.107	(0.099)
	1987	1,481	26	23.3	0.877	(0.336)	0.551	(0.268)	0.350	(0.140)
BENIGN NEO PITUITARY 2273	1989	864	77	47.9	2.781	(0.508)	1.476	(0.360)	0.875	(0.392)
	1988	810	66	29.3	1.547	(0.308)	3.951	(1.595)	0.384	(0.766)
	1987	776	72	39.5	1.802	(0.357)	3.111	(1.129)	0.746	(0.688)
LYMPHANGIOMA, ANY SITE 2281	1989	177	44	52.9	3.691	(0.845)	2.006	(0.977)	1.228	(1.455)
	1988	201	44	42.2	2.843	(0.723)	1.941	(0.930)	1.822	(1.432)
	1987	205	39	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
CA IN SITU STOMACH 2302	1989	70	11	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	61	16	23.2	1.733	(1.442)	0.966	(1.335)	8.112	(3.322)
	1987	49	8	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
CA IN SITU BREAST 2330	1989	1,844	14	24.4	0.375	(0.475)	0.143	(0.141)	1.000	(0.000)
	1988	1,801	21	50.4	0.450	(0.157)	1.546	(0.643)	0.088	(0.086)
	1987	1,274	10	52.1	1.099	(0.789)	0.094	(0.062)	0.210	(0.086)
CA IN SITU CERVIX UTERI 2331	1989	1,015	11	4.0	0.646	(0.454)	0.590	(0.423)	1.000	(0.000)
	1988	1,025	13	12.1	0.718	(0.541)	0.382	(0.266)	0.558	(0.197)
	1987	1,035	20	10.6	1.224	(0.502)	0.950	(0.476)	0.250	(0.176)
CA IN SITU BLADDER 2337	1989	829	39	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	822	35	20.0	0.814	(0.245)	1.238	(0.766)	0.202	(0.146)
	1987	781	32	18.8	0.558	(0.175)	2.113	(1.577)	0.233	(0.225)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
LOW RISK DISORDERS: OTHER DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
UNC BEHAV NEO INTESTINE 2352	1989	3,180	178	5.4	1.324	(0.234)	0.846	(0.359)	0.800	(0.226)
	1988	3,472	217	19.2	1.266	(0.139)	1.723	(0.423)	0.345	(0.175)
	1987	3,712	235	18.0	1.574	(0.194)	0.860	(0.182)	0.709	(0.146)
UNC BEHAV NEO GI NEC 2355	1989	142	46	100.3	2.387	(0.989)	17.480	(33.79)	6.274	(4.278)
	1988	158	63	143.1	6.088	(1.240)	4.077	(1.371)	0.383	(3.071)
	1987	138	44	80.5	4.025	(0.912)	8.380	(5.788)	0.205	(2.612)
UNC BEHAV NEO LUNG 2357	1989	421	125	253.0	3.873	(0.624)	6.416	(2.921)	2.730	(1.695)
	1988	450	120	173.7	4.282	(0.775)	1.954	(1.006)	2.426	(1.066)
	1987	438	115	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
UNC BEHAV NEO KIDNEY 23691	1989	89	13	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	90	17	19.2	2.891	(1.147)	2.089	(1.341)	2.239	(2.015)
	1987	102	17	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
BLADDER NEOPLASM NOS 2394	1989	252	39	22.5	1.742	(0.465)	3.342	(2.096)	1.151	(0.927)
	1988	292	21	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	375	30	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
OTHER GU NEOPLASM NOS 2395	1989	221	37	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	253	59	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	289	52	48.9	3.016	(0.566)	2.615	(1.221)	0.146	(0.834)
IRON DEFIC ANEMIA NOS 2809	1989	7,288	706	81.9	0.920	(0.071)	1.767	(0.370)	1.554	(0.199)
	1988	7,748	756	59.4	1.027	(0.076)	1.514	(0.272)	1.343	(0.157)
	1987	7,956	746	47.8	0.868	(0.066)	1.785	(0.356)	1.271	(0.162)
HB-S DISEASE WITH CRISIS 28262	1989	1,785	69	12.0	2.747	(0.961)	1.057	(0.675)	1.069	(0.183)
	1988	1,673	61	22.5	3.240	(0.911)	1.526	(0.598)	0.842	(0.161)
	1987	1,645	74	25.6	2.575	(0.684)	2.410	(1.075)	1.149	(0.216)
HERED HEMOLYTIC ANEM NOS 2829	1989	244	61	38.5	2.608	(0.460)	2.149	(1.066)	0.730	(0.690)
	1988	275	70	49.9	2.790	(0.500)	2.259	(0.985)	0.775	(0.597)
	1987	291	77	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
SPINAL CORD ANOMALY NEC 74259	1989	81	39	78.6	5.681	(1.611)	1.318	(0.675)	6.600	(3.048)
	1988	77	34	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	96	38	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
AORTIC ATRESIA/STENOSIS 74722	1989	87	12	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	103	21	17.8	3.580	(1.486)	0.517	(0.357)	3.548	(1.790)
	1987	113	19	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
CEREBROVASCULAR ANOMALY 74781	1989	243	27	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	298	25	11.8	1.955	(0.704)	2.457	(2.063)	0.721	(0.680)
	1987	283	19	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
MECKEL'S DIVERTICULUM 7510	1989	133	13	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	126	10	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	138	16	14.9	7.634	(3.290)	0.221	(0.083)	1.103	(0.550)
HALLUCINATIONS 7801	1989	166	24	19.2	3.812	(2.621)	0.040	(0.031)	5.053	(1.175)
	1988	153	16	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	177	18	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
SYNCOPE AND COLLAPSE 7802	1989	74,131	4,512	339.1	0.631	(0.019)	1.393	(0.105)	0.883	(0.046)
	1988	73,957	4,661	368.6	0.621	(0.019)	1.335	(0.099)	0.912	(0.042)
	1987	68,848	4,517	364.0	0.606	(0.019)	1.473	(0.112)	0.867	(0.044)
CONVULSIONS 7803	1989	24,236	3,548	1290.5	1.808	(0.056)	1.408	(0.107)	1.692	(0.091)
	1988	23,539	3,347	1047.5	1.749	(0.055)	1.412	(0.105)	1.525	(0.084)
	1987	23,089	3,378	1108.7	1.875	(0.063)	1.118	(0.084)	1.741	(0.086)
DIZZINESS AND GIDDINESS 7804	1989	8,109	239	202.4	0.295	(0.043)	1.801	(0.591)	0.534	(0.102)
	1988	8,007	227	228.5	0.303	(0.048)	1.220	(0.333)	0.562	(0.081)
	1987	8,046	221	255.3	0.306	(0.056)	0.861	(0.247)	0.587	(0.072)
PYREXIA UNKNOWN ORIGIN 7806	1989	11,846	1,993	281.8	1.345	(0.054)	1.999	(0.215)	1.091	(0.078)
	1988	12,374	2,180	348.9	1.404	(0.056)	1.688	(0.178)	1.247	(0.080)
	1987	11,477	1,921	216.9	1.266	(0.051)	2.312	(0.272)	0.911	(0.080)
MALAISE AND FATIGUE 7807	1989	3,092	438	107.0	1.001	(0.109)	1.700	(0.611)	2.286	(0.334)
	1988	3,037	404	70.9	1.405	(0.218)	0.416	(0.164)	2.618	(0.277)
	1987	3,150	450	78.9	1.327	(0.120)	1.535	(0.307)	1.441	(0.242)
GENERAL SYMPTOMS NEC 7809	1989	1,212	127	100.1	7.093	(1.169)	0.162	(0.039)	1.553	(0.268)
	1988	1,329	169	132.6	6.497	(0.986)	0.186	(0.050)	1.587	(0.266)
	1987	1,422	164	138.7	7.156	(1.007)	0.216	(0.044)	1.313	(0.233)
ABNORMALITY OF GAIT 7812	1989	967	74	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	935	71	13.9	0.556	(0.121)	7.399	(6.685)	0.595	(0.404)
	1987	857	67	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
LACK OF COORDINATION 7813	1989	1,435	109	4.3	0.730	(0.166)	1.508	(0.606)	1.281	(0.287)
	1988	1,424	103	5.0	0.977	(0.265)	0.497	(0.220)	1.457	(0.235)
	1987	1,398	108	11.3	0.593	(0.146)	2.520	(1.010)	1.193	(0.335)
SKIN SENSATION DISTURB 7820	1989	514	16	13.7	6.305	(4.435)	0.007	(0.005)	1.005	(0.290)
	1988	553	18	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	574	22	178.4*	1.213	(0.037)	1.518	(0.102)	0.838	(0.049)
NONSPECIF SKIN ERUPT NEC 7821	1989	98	2	92.4*	1.181	(0.039)	1.298	(0.095)	0.892	(0.046)
	1988	119	7	72.6*	1.152	(0.040)	1.288	(0.095)	0.922	(0.047)
	1987	131	19	13.5	1.146	(0.580)	5.771	(5.457)	1.631	(1.988)
HEADACHE 7840	1989	2,645	112	12.2	0.605	(0.171)	0.786	(0.439)	1.084	(0.189)
	1988	2,906	109	28.4	0.422	(0.081)	3.229	(1.429)	0.529	(0.192)
	1987	3,386	125	37.3	0.498	(0.130)	0.731	(0.309)	0.864	(0.127)
SWELLING IN HEAD & NECK 7842	1989	349	46	33.6	1.338	(0.360)	12.085	(10.46)	0.700	(0.794)
	1988	394	57	54.0	1.608	(0.386)	12.478	(7.849)	0.273	(0.741)
	1987	479	70	79.8	1.871	(0.381)	8.420	(3.616)	0.475	(0.666)
EPISTAXIS 7847	1989	7,705	507	9.7	1.050	(0.099)	0.651	(0.099)	1.134	(0.101)
	1988	8,809	601	7.5	1.169	(0.100)	0.718	(0.116)	0.955	(0.094)
	1987	8,686	527	27.1	1.036	(0.113)	0.568	(0.122)	0.945	(0.091)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
LOW RISK DISORDERS: OTHER DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
PALPITATIONS 7851	1989 1988 1987	948 843 712	21 21 25	23.9 25.6 15.4	0.334 5.311 1.284	(0.137) (8.524) (0.472)	2.342 0.003 0.258	(1.170) (0.003) (0.101)	0.223 1.045 0.652	(0.287) (0.234) (0.216)
ENLARGEMENT LYMPH NODES 7856	1989 1988 1987	581 623 675	49 47 61	21.6 72.6* 30.1	1.388 1.152 0.772	(0.300) (0.040) (0.208)	5.731 1.288 25.811	(2.666) (0.095) (31.68)	0.262 0.922 0.723	(0.247) (0.047) (0.389)
CARDIOVAS SYS SYMP NEC 7859	1989 1988 1987	63 89 123	13 20 19	43.9 72.6* 178.4*	29.710 1.152 1.213	(11.49) (0.040) (0.037)	0.103 1.288 1.518	(0.040) (0.095) (0.102)	0.957 0.922 0.838	(0.957) (0.047) (0.049)
CHEST PAIN NOS 78650	1989 1988 1987	77,638 72,713 65,806	2,200 2,210 2,150	1172.2 973.1 917.4	0.557 0.548 0.549	(0.026) (0.026) (0.027)	0.916 1.036 1.063	(0.079) (0.101) (0.103)	0.514 0.538 0.537	(0.027) (0.029) (0.030)
PRECORDEAL PAIN 78651	1989 1988 1987	2,943 2,918 2,920	85 85 98	39.2 45.5 36.2	0.500 0.407 0.549	(0.106) (0.082) (0.121)	1.258 2.297 1.240	(0.428) (0.896) (0.581)	0.505 0.371 0.517	(0.138) (0.154) (0.157)
PAINFUL RESPIRATION 78652	1989 1988 1987	13,742 13,318 12,229	456 431 426	206.7 227.7 207.5	0.435 0.503 0.487	(0.042) (0.056) (0.062)	1.544 0.853 0.730	(0.273) (0.158) (0.161)	0.553 0.610 0.712	(0.069) (0.059) (0.061)
CHEST PAIN NEC 78659	1989 1988 1987	4,800 4,660 3,823	105 113 101	112.4 99.0 71.0	0.244 0.424 0.512	(0.051) (0.091) (0.103)	3.253 1.020 1.163	(1.206) (0.392) (0.398)	0.358 0.463 0.390	(0.132) (0.099) (0.105)
NAUSEA AND VOMITING 7870	1989 1988 1987	7,689 7,989 7,878	1,350 1,365 1,339	370.3 281.0 270.0	1.337 1.300 1.260	(0.086) (0.080) (0.081)	0.857 0.851 1.093	(0.140) (0.132) (0.208)	2.450 2.200 2.018	(0.137) (0.129) (0.136)
FLATUL/ERUCTAT/GAS PAIN 7873	1989 1988 1987	251 278 271	35 43 35	29.8 20.1 178.4*	4.241 2.970 1.213	(1.171) (0.985) (0.037)	0.509 0.275 1.518	(0.276) (0.141) (0.102)	0.232 3.203 0.838	(0.482) (0.866) (0.049)
RENAL COLIC 7880	1989 1988 1987	1,703 2,023 2,103	31 42 40	52.3 54.9 75.9	0.306 0.345 0.571	(0.160) (0.114) (0.201)	1.162 1.502 0.512	(1.259) (0.675) (0.250)	0.348 0.322 0.312	(0.144) (0.116) (0.092)
INCONTINENCE OF URINE 7883	1989 1988 1987	1,038 1,001 1,015	54 46 64	6.9 8.9 21.7	0.794 0.697 0.650	(0.169) (0.170) (0.135)	3.251 3.347 11.650	(1.621) (1.697) (7.981)	0.255 0.236 0.147	(0.265) (0.238) (0.226)
ABDOMINAL PAIN 7890	1989 1988 1987	23,560 24,323 24,602	2,145 2,168 2,208	252.7 207.2 213.7	2.060 1.882 1.993	(0.102) (0.091) (0.100)	0.402 0.457 0.380	(0.041) (0.044) (0.036)	1.439 1.359 1.382	(0.072) (0.066) (0.062)
HEPATOMEGALY 7891	1989 1988 1987	132 169 238	30 44 52	47.6 68.3 79.0	7.031 5.903 6.679	(3.262) (1.639) (2.334)	0.277 1.239 0.434	(0.143) (0.535) (0.238)	6.163 2.767 5.326	(1.670) (1.168) (1.264)
SPLENOMEGALY 7892	1989 1988 1987	170 185 159	34 26 25	92.4* 18.6 178.4*	1.181 1.224 1.213	(0.039) (0.362) (0.037)	1.298 9.589 1.518	(0.095) (8.825) (0.102)	0.892 0.241 0.838	(0.046) (0.217) (0.049)
ABDOM/PELVIC SWELLNG NEC 7893	1989 1988 1987	715 791 968	149 170 222	155.5 213.7 251.6	2.981 2.715 3.550	(0.579) (0.294) (0.507)	0.953 6.445 1.234	(0.393) (1.837) (0.412)	4.086 0.435 3.201	(0.730) (0.382) (0.632)
ABN FINDINGS-LUNG FIELD 7931	1989 1988 1987	150 250 105	25 48 8	19.1 28.5 178.4*	2.926 2.659 1.213	(1.627) (0.579) (0.037)	0.492 2.619 1.518	(0.465) (1.022) (0.102)	3.784 0.303 0.838	(1.467) (0.876) (0.049)
* ESTIMATE IMPUTED UNSPECIFIED CODES (USED TO IMPUTE ESTIMATES)	1989 1988 1987	47,128 44,111 47,451	3,411 3,129 3,720	92.4 72.6 178.4	1.181 1.152 1.213	(0.039) (0.040) (0.037)	1.298 1.288 1.518	(0.095) (0.095) (0.102)	0.892 0.922 0.838	(0.046) (0.047) (0.049)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS					
					EXCESS		INITIAL RELATIVE RISK PERSISTENCE		LONG TERM	
RADIOTHERAPY SESSION V580	1989	4,815	1,563	142.8	0.501	(0.048)	3.674	(0.599)	0.631	(0.113)
	1988	6,186	1,841	226.9	0.526	(0.044)	4.302	(0.553)	0.471	(0.091)
	1987	6,050	1,800	123.7	0.623	(0.052)	2.934	(0.406)	0.547	(0.101)
AFTERCARE NEC V588	1989	1,101	117	29.2	0.882	(0.220)	0.654	(0.194)	0.689	(0.126)
	1988	1,389	153	39.7	0.817	(0.188)	0.594	(0.147)	0.770	(0.103)
	1987	1,376	144	46.3	0.731	(0.220)	0.484	(0.172)	0.822	(0.105)
TB LUNG W CAVIT-MICRO DX 01123	1989	101	18	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	113	31	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	122	34	14.4	1.429	(0.436)	2.487	(1.491)	0.728	(1.413)
TB PNEUMONIA-UNSPEC 01160	1989	82	26	15.6	3.047	(0.974)	0.999	(0.355)	0.284	(0.481)
	1988	86	28	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	115	45	44.8	4.278	(1.109)	1.037	(0.331)	1.332	(0.885)
TB PNEUMONIA-MICRO OX 01163	1989	87	34	26.6	2.712	(0.980)	1.157	(0.558)	2.465	(1.137)
	1988	74	30	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	60	24	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
PULMONARY TB NOS-UNSPEC 01190	1989	765	188	36.5	1.056	(0.144)	2.242	(0.591)	0.733	(0.453)
	1988	894	190	12.3	1.275	(0.191)	1.196	(0.237)	1.007	(0.237)
	1987	953	235	55.5	1.669	(0.202)	1.614	(0.344)	0.497	(0.292)
PULMON TB NOS-MICRO OX 01193	1989	340	90	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	389	109	44.8	1.151	(0.193)	3.758	(1.299)	0.037	(1.025)
	1987	427	102	36.5	1.799	(0.277)	1.671	(0.316)	0.238	(0.302)
PULMONARY MYCO&ACTERIA 0310	1989	199	82	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	195	67	44.6	1.771	(0.476)	1.720	(0.743)	2.116	(1.041)
	1987	226	76	52.2	1.544	(0.375)	2.374	(1.094)	1.684	(1.167)
STREP SORE THROAT 0340	1989	352	15	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	382	14	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	363	14	26.1	0.171	(0.178)	0.921	(0.925)	0.507	(0.196)
PSEUDOMONAS INFECT NOS 0417	1989	138	33	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	158	42	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	275	77	14.0	1.307	(0.303)	1.742	(0.642)	0.946	(0.610)
HEPATITIS B W/O COMA 0703	1989	375	79	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	415	88	13.1	0.919	(0.178)	2.410	(0.705)	0.556	(0.377)
	1987	428	79	11.6	1.473	(0.299)	1.404	(0.381)	0.513	(0.335)
VIRAL HEPAT NOS W/O COMA 0709	1989	311	45	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	291	58	17.7	2.039	(0.458)	1.099	(0.334)	0.237	(0.353)
	1987	349	61	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MALIG NEO PAROTID 1420	1989	845	116	15.9	0.575	(0.232)	0.613	(0.331)	1.127	(0.158)
	1988	856	137	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	808	120	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MAL NEO MOUTH FLOOR NOS 1449	1989	204	63	19.9	1.899	(0.508)	1.372	(0.601)	1.245	(0.616)
	1988	267	60	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	303	65	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MAL NEO CHEEK MUCOSA 1450	1989	262	52	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	250	45	11.8	0.354	(0.199)	15.745	(26.79)	0.595	(0.615)
	1987	278	51	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MALIG NEO RETROMOLAR 1456	1989	165	41	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	232	28	12.1	0.479	(0.558)	0.286	(0.295)	1.102	(0.233)
	1987	192	24	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MALIG NEOPLASM MOUTH NEC 1458	1989	106	24	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	124	44	17.7	1.734	(0.875)	1.188	(1.619)	2.043	(1.451)
	1987	117	30	13.8	1.124	(0.596)	4.263	(3.164)	0.655	(1.916)
MALIG NEOPLASM MOUTH NOS 1459	1989	131	57	45.7	1.900	(0.508)	3.655	(1.555)	0.528	(1.634)
	1988	139	57	51.0	6.063	(2.712)	0.241	(0.137)	4.135	(0.780)
	1987	170	66	57.4	3.843	(1.079)	0.895	(0.379)	2.437	(0.837)
MALIGNANT NEOPL TONSIL 1460	1989	280	82	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	260	82	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	233	77	18.0	1.888	(0.583)	0.875	(0.376)	1.693	(0.426)
MAL NEO OROPHARYNX NEC 1468	1989	83	31	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	92	46	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	106	51	40.5	2.858	(0.738)	1.566	(0.705)	1.503	(1.156)
MALIG NEO OROPHARYNX NOS 1469	1989	51	25	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	67	33	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	72	40	47.2	6.087	(2.459)	0.360	(0.167)	4.324	(1.081)
MALIGNANT NEOPL DUODENUM 1520	1989	406	226	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	387	191	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	410	224	179.4	1.821	(0.281)	4.122	(1.046)	0.777	(0.808)
MALIGNANT NEOPL JEJUNUM 1521	1989	152	41	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	169	56	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	159	55	11.9	1.193	(0.357)	2.756	(0.932)	0.383	(0.676)
MALIGNANT NEOPLASM ILEUM 1522	1989	375	86	13.2	0.931	(0.211)	1.318	(0.466)	0.377	(0.194)
	1988	400	93	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	338	90	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MAL NEO SMALL BOWEL NEC 1528	1989	171	68	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	164	78	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	171	68	15.0	1.982	(0.447)	1.256	(0.380)	0.809	(0.414)
MAL NEO SMALL BOWEL NOS 1529	1989	154	78	39.1	1.561	(0.431)	2.866	(1.054)	0.842	(1.097)
	1988	166	73	19.1	1.641	(0.519)	1.267	(1.009)	1.509	(0.932)
	1987	177	79	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MAL NEO HEPATIC FLEXURE 1530	1989	1,950	381	12.5	0.781	(0.089)	1.424	(0.223)	0.698	(0.115)
	1988	1,980	419	8.3	0.723	(0.089)	1.400	(0.243)	0.875	(0.124)
	1987	1,774	368	11.8	0.838	(0.095)	1.568	(0.233)	0.661	(0.127)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CDOE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS					
					EXCESS		INITIAL		RELATIVE RISK	
							PERSISTENCE		LONG TERM	
MAL NED TRANSVERSE COLON 1531	1989	4,658	945	31.6	0.757	(0.055)	1.556	(0.161)	0.683	(0.082)
	1988	4,756	950	33.4	0.752	(0.055)	1.460	(0.148)	0.706	(0.076)
	1987	4,674	944	14.7	0.884	(0.066)	1.301	(0.127)	0.757	(0.075)
MAL NED DESCEND COLON 1532	1989	3,597	593	65.3	0.581	(0.051)	1.979	(0.335)	0.495	(0.118)
	1988	3,848	672	42.7	0.852	(0.070)	1.242	(0.125)	0.602	(0.070)
	1987	3,938	649	41.9	0.743	(0.070)	1.256	(0.163)	0.686	(0.078)
MAL NED SIGMOID COLON 1533	1989	15,228	2,413	288.3	0.619	(0.028)	1.601	(0.113)	0.558	(0.045)
	1988	15,879	2,692	162.0	0.702	(0.032)	1.388	(0.089)	0.684	(0.041)
	1987	16,060	2,708	100.6	0.806	(0.037)	1.231	(0.080)	0.725	(0.040)
MALIGNANT NEOPLASM CECUM 1534	1989	9,942	1,890	129.5	0.657	(0.038)	1.273	(0.100)	0.764	(0.047)
	1988	10,227	1,971	149.8	0.651	(0.036)	1.399	(0.108)	0.698	(0.047)
	1987	9,912	1,995	61.0	0.796	(0.044)	1.214	(0.089)	0.771	(0.048)
MALIG NEO ASCEND COLON 1536	1989	8,237	1,356	181.2	0.589	(0.040)	1.362	(0.122)	0.664	(0.052)
	1988	8,305	1,483	118.3	0.616	(0.040)	1.425	(0.126)	0.726	(0.054)
	1987	8,047	1,380	113.3	0.619	(0.043)	1.370	(0.116)	0.742	(0.053)
MAL NED SPLENIC FLEXURE 1537	1989	1,535	292	23.8	0.696	(0.084)	1.771	(0.343)	0.492	(0.148)
	1988	1,532	338	4.7	0.859	(0.108)	1.441	(0.266)	0.816	(0.138)
	1987	1,522	324	8.8	1.056	(0.117)	1.437	(0.230)	0.606	(0.148)
MALIGNANT NEO COLDN NEC 1538	1989	2,141	859	210.6	1.610	(0.121)	1.319	(0.164)	1.386	(0.180)
	1988	2,018	803	203.2	1.829	(0.134)	1.244	(0.138)	1.229	(0.154)
	1987	1,862	788	271.6	2.028	(0.150)	1.256	(0.135)	1.367	(0.180)
MALIGNANT NEO COLON NDS 1539	1989	3,778	1,930	1270.6	3.286	(0.146)	0.935	(0.059)	1.773	(0.132)
	1988	4,067	2,092	1400.7	3.301	(0.151)	0.842	(0.054)	2.125	(0.131)
	1987	4,446	2,280	1650.7	3.624	(0.156)	0.813	(0.050)	2.113	(0.130)
MAL NED RECTDSIGMDID JCT 1540	1989	8,693	1,931	21.5	1.198	(0.065)	1.031	(0.079)	0.944	(0.060)
	1988	8,947	2,079	38.2	1.198	(0.061)	1.104	(0.076)	0.956	(0.058)
	1987	8,909	2,168	94.6	1.352	(0.070)	1.031	(0.077)	1.085	(0.065)
MALIGNANT NEOPL RECTUM 1541	1989	10,367	1,951	20.1	0.787	(0.046)	1.352	(0.119)	0.960	(0.063)
	1988	10,900	2,170	37.7	0.806	(0.042)	1.649	(0.158)	0.852	(0.078)
	1987	11,246	2,234	20.1	1.050	(0.058)	1.090	(0.088)	1.066	(0.059)
MALIGNANT NED ANUS NOS 1543	1989	192	43	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	204	59	18.5	2.127	(0.490)	1.317	(0.367)	0.790	(0.469)
	1987	228	42	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MAL NED RECTUM/ANUS NEC 1548	1989	1,138	223	9.9	0.541	(0.111)	1.706	(0.719)	0.975	(0.245)
	1988	1,080	211	20.8	0.421	(0.089)	3.790	(1.557)	0.815	(0.297)
	1987	883	179	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MAL NED MAXILLARY SINUS 1602	1989	214	72	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	232	86	37.5	1.524	(0.337)	3.092	(1.213)	0.624	(1.010)
	1987	247	85	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MALIGNANT NEO GLDTTIS 1610	1989	893	100	11.8	0.417	(0.102)	4.163	(1.622)	0.347	(0.396)
	1988	1,038	87	29.3	0.542	(0.141)	1.221	(0.433)	0.531	(0.162)
	1987	1,140	120	6.7	0.595	(0.141)	1.577	(0.626)	0.765	(0.247)
MALIG NED SUPRAGLDTTIS 1611	1989	797	157	16.6	0.611	(0.108)	5.460	(1.654)	0.204	(0.333)
	1988	753	133	18.4	0.485	(0.112)	4.893	(1.806)	0.508	(0.321)
	1987	842	166	12.2	1.079	(0.164)	2.087	(0.516)	0.507	(0.313)
MALIGNANT NED LARYNX NEC 1618	1989	692	139	19.2	0.687	(0.129)	3.696	(1.034)	0.419	(0.370)
	1988	678	182	26.3	0.853	(0.135)	3.496	(1.274)	0.613	(0.530)
	1987	645	152	19.3	1.055	(0.164)	2.858	(0.951)	0.434	(0.508)
MALIGNANT NED LARYNX NOS 1619	1989	676	237	107.6	2.242	(0.504)	0.664	(0.251)	2.676	(0.374)
	1988	694	235	89.7	2.027	(0.400)	0.881	(0.307)	2.159	(0.376)
	1987	796	300	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MALIGNANT NED TRACHEA 1620	1989	109	54	47.8	1.380	(0.495)	5.570	(2.950)	1.086	(1.411)
	1988	112	54	48.6	0.773	(0.393)	8.909	(8.743)	2.038	(1.448)
	1987	144	77	82.3	2.406	(0.613)	4.673	(1.866)	0.528	(1.625)
MALIG NEO VERTEBRAE 1702	1989	107	59	61.7	0.618	(0.625)	1.334	(1.265)	5.762	(1.343)
	1988	113	46	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	102	51	54.4	1.791	(0.661)	3.663	(2.285)	2.194	(1.980)
MAL NEO RIBS/STERN/CLAV 1703	1989	50	13	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	60	13	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	63	26	14.6	1.235	(0.705)	7.319	(7.948)	0.716	(2.218)
MAL NEO PELVIC GIRDLE 1706	1989	140	48	32.1	0.939	(0.380)	11.856	(10.55)	0.175	(1.133)
	1988	151	51	27.5	1.214	(1.187)	0.388	(0.576)	3.545	(0.693)
	1987	159	54	38.4	0.874	(0.567)	2.081	(1.871)	3.365	(1.199)
MAL NEO LONG BONES LEG 1707	1989	145	36	15.1	0.325	(0.307)	3.231	(3.120)	2.273	(0.956)
	1988	132	38	21.9	0.006	(0.395)	2.760	(4.156)	3.669	(1.097)
	1987	132	33	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MAL NEO SOFT TISSUE HEAD 1710	1989	247	73	17.7	0.929	(0.457)	0.966	(0.809)	2.281	(0.550)
	1988	252	70	20.7	0.791	(0.401)	0.930	(0.477)	2.441	(0.433)
	1987	239	68	24.1	0.804	(0.428)	1.160	(1.090)	2.624	(0.712)
MAL NEO SOFT TISSUE LEG 1713	1989	641	101	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	629	94	20.7	0.325	(0.121)	5.705	(3.595)	0.929	(0.435)
	1987	664	119	14.9	0.584	(0.169)	2.561	(1.407)	1.221	(0.498)
MAL NEO SOFT TIS THORAX 1714	1989	173	49	20.8	2.326	(0.651)	1.154	(0.371)	1.384	(0.574)
	1988	178	47	13.9	0.984	(0.415)	1.993	(1.127)	1.650	(0.960)
	1987	170	51	25.8	1.050	(0.424)	3.985	(2.454)	1.154	(1.357)
MAL NEO SOFT TIS PELVIS 1716	1989	201	64	44.2	1.917	(1.136)	0.319	(0.180)	3.969	(0.610)
	1988	210	62	28.2	1.257	(0.422)	2.107	(1.640)	1.850	(1.195)
	1987	222	76	46.4	1.245	(0.421)	3.157	(2.367)	1.833	(1.588)
MALIG MELANOMA EAR 1722	1989	80	6	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	72	3	13.9	27.651	(49.97)	0.006	(0.009)	0.317	(0.224)
	1987	79	4	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS					
					EXCESS		RELATIVE RISK		LONG TERM	
					INITIAL	PERSISTENCE				
MAL MELANOM FACE NEC/NOS 1723	1989	266	26	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	322	41	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	356	24	19.4	0.419	(0.341)	0.572	(0.440)	0.660	(0.203)
MALIG MELANOMA TRUNK 1725	1989	517	83	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	595	101	18.2	1.482	(0.619)	0.320	(0.173)	2.075	(0.280)
	1987	684	114	15.8	1.308	(0.517)	0.413	(0.182)	1.954	(0.256)
MALIG MELANOMA ARM 1726	1989	488	28	20.9	0.670	(0.475)	0.431	(0.365)	0.635	(0.182)
	1988	504	28	27.3	0.168	(0.248)	0.628	(0.836)	0.772	(0.194)
	1987	584	26	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MALIG MELANOMA LEG 1727	1989	766	55	22.1	0.572	(0.246)	0.706	(0.369)	0.709	(0.164)
	1988	869	65	27.9	0.360	(0.232)	0.537	(0.371)	0.991	(0.158)
	1987	870	75	13.5	0.731	(0.265)	0.648	(0.217)	0.876	(0.163)
MALIG MELANOMA SKIN NOS 1729	1989	122	93	202.0	9.721	(1.657)	0.854	(0.266)	3.596	(1.686)
	1988	113	94	166.0	7.223	(1.261)	1.037	(0.289)	2.476	(1.179)
	1987	144	105	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MALIG NEO CERVIX NEC 1808	1989	682	194	67.8	1.061	(0.187)	3.376	(1.542)	1.092	(0.789)
	1988	699	211	48.8	1.164	(0.202)	1.822	(0.679)	1.407	(0.438)
	1987	600	175	49.5	1.400	(0.240)	1.952	(0.640)	1.183	(0.506)
MALIGN NEOPL VAGINA 1840	1989	444	110	20.1	0.756	(0.262)	1.371	(0.715)	1.936	(0.482)
	1988	453	117	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	472	128	44.3	0.618	(0.222)	5.880	(3.018)	1.160	(0.644)
MALIGN NEOPL VULVA NOS 1844	1989	1,253	193	19.9	0.410	(0.148)	0.960	(0.432)	1.507	(0.177)
	1988	1,329	197	27.4	0.379	(0.098)	3.581	(1.289)	0.900	(0.258)
	1987	1,284	206	15.3	0.557	(0.123)	2.658	(0.941)	0.963	(0.313)
MALIGN NEOPL PROSTATE 185	1989	61,356	6,440	2852.9	0.599	(0.024)	0.651	(0.032)	0.702	(0.015)
	1988	61,491	7,131	2502.9	0.606	(0.022)	0.713	(0.032)	0.732	(0.016)
	1987	59,525	7,227	1988.5	0.765	(0.029)	0.578	(0.027)	0.781	(0.016)
MALIG NEO BLADDER NEC 1888	1989	8,853	1,411	122.9	0.427	(0.042)	1.494	(0.196)	1.280	(0.077)
	1988	8,580	1,467	179.3	0.374	(0.041)	1.700	(0.286)	1.495	(0.097)
	1987	7,878	1,325	125.6	0.433	(0.049)	1.678	(0.337)	1.441	(0.111)
MALIG NEO BLADDER NOS 1889	1989	7,803	1,366	39.4	0.780	(0.066)	1.001	(0.111)	1.378	(0.078)
	1988	8,265	1,482	38.0	0.956	(0.075)	0.859	(0.087)	1.412	(0.075)
	1987	9,119	1,611	52.0	0.999	(0.080)	0.754	(0.077)	1.467	(0.068)
MALIG NEO RENAL PELVIS 1891	1989	1,219	174	17.1	0.468	(0.114)	1.371	(0.426)	0.954	(0.162)
	1988	1,206	158	26.9	0.470	(0.152)	0.823	(0.328)	1.038	(0.131)
	1987	1,223	181	22.9	0.453	(0.173)	0.705	(0.348)	1.296	(0.143)
MALIGN NEOPL URETER 1892	1989	873	106	19.4	0.484	(0.145)	1.071	(0.372)	0.856	(0.159)
	1988	907	114	27.2	0.307	(0.108)	1.683	(0.889)	0.866	(0.216)
	1987	884	115	12.3	0.658	(0.169)	1.074	(0.389)	0.765	(0.176)
MALIGN NEOPL THYROID 193	1989	1,661	246	16.9	1.038	(0.116)	1.787	(0.298)	0.330	(0.178)
	1988	1,635	287	19.3	1.065	(0.104)	2.800	(0.526)	0.073	(0.279)
	1987	1,611	314	32.3	1.480	(0.155)	1.678	(0.438)	0.441	(0.310)
MALIGN NEOPL ADRENAL 1940	1989	131	55	37.8	1.253	(0.479)	2.474	(2.058)	2.423	(1.669)
	1988	162	77	59.5	1.379	(0.473)	2.119	(0.870)	2.836	(1.042)
	1987	173	85	83.7	2.503	(0.622)	2.709	(0.914)	1.333	(1.395)
MAL NEO LYMPH-HEAD/NECK 1960	1989	1,427	436	68.4	1.016	(0.153)	1.318	(0.336)	1.663	(0.213)
	1988	1,496	486	109.4	1.013	(0.139)	1.712	(0.502)	1.652	(0.266)
	1987	1,601	507	84.9	1.083	(0.124)	2.064	(0.833)	1.207	(0.413)
MAL NEO LYMPH-AXILLA/ARM 1963	1989	765	181	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	831	178	18.1	0.446	(0.145)	1.947	(1.151)	1.436	(0.326)
	1987	857	175	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
MAL NEO LYMPH-INGUIN/LEG 1965	1989	411	127	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	417	115	21.0	0.784	(0.183)	5.697	(2.021)	0.144	(0.479)
	1987	419	114	18.5	0.701	(0.207)	5.419	(2.511)	0.614	(0.506)
MAL NEO LYMPH-INTRAPELV 1966	1989	340	61	20.7	0.315	(0.151)	8.447	(7.134)	0.268	(0.385)
	1988	266	45	11.5	0.633	(0.180)	3.163	(1.486)	0.016	(0.408)
	1987	255	59	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
SEC MALIG NEO RESP NEC 1973	1989	195	100	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	222	130	82.2	1.541	(0.325)	3.749	(1.832)	1.124	(1.169)
	1987	206	116	83.2	2.563	(0.486)	2.295	(0.718)	0.856	(1.009)
SECONDARY MALIG NEO SKIN 1982	1989	731	318	159.1	1.242	(0.188)	3.488	(0.811)	1.197	(0.509)
	1988	807	372	196.4	1.406	(0.216)	1.787	(0.545)	2.258	(0.477)
	1987	862	379	162.1	1.395	(0.198)	4.701	(1.097)	0.602	(0.508)
BENIGN NEOPLASM BRAIN 2250	1989	381	83	32.7	1.466	(0.291)	2.069	(0.625)	0.830	(0.614)
	1988	376	78	32.3	0.999	(0.261)	2.702	(1.205)	1.255	(0.932)
	1987	371	73	31.3	0.963	(0.303)	2.405	(0.911)	1.631	(0.822)
BENIGN NEO CRANIAL NERVE 2251	1989	568	29	13.7	0.532	(0.309)	1.105	(1.017)	0.496	(0.294)
	1988	437	27	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	497	37	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
BEN NEO CEREBR MENINGES 2252	1989	3,045	467	38.9	0.912	(0.093)	1.735	(0.264)	0.942	(0.177)
	1988	2,889	448	61.6	0.875	(0.077)	2.413	(0.367)	0.553	(0.233)
	1987	2,838	442	71.0	1.145	(0.098)	2.107	(0.312)	0.484	(0.218)
BEN NEO SPINAL MENINGES 2254	1989	336	19	15.7	0.316	(0.156)	2.327	(1.384)	0.248	(0.436)
	1988	341	30	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	315	21	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
LYMPHOPROLIFERAT DIS NOS 2387	1989	1,027	437	253.9	1.372	(0.165)	1.609	(0.294)	2.639	(0.382)
	1988	1,016	411	241.9	1.634	(0.178)	1.692	(0.294)	2.109	(0.421)
	1987	1,029	427	282.5	1.943	(0.257)	1.059	(0.200)	3.146	(0.359)
UNCERT BEHAVIOR NEO NEC 2388	1989	141	39	13.4	2.149	(0.680)	1.121	(0.418)	1.242	(0.575)
	1988	145	53	47.2	2.887	(0.765)	1.461	(0.774)	1.811	(1.695)
	1987	151	47	31.5	1.247	(0.483)	2.570	(1.311)	1.945	(1.516)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

AVERAGE RISK DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	EXCESS		INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
DIGESTIVE NEOPLASM NOS 2390	1989 1988 1987	485 550 581	152 160 161	91.2 75.8 64.5	1.110 1.867 2.043	(0.214) (0.300) (0.349)	2.550 1.399 1.391	(0.867) (0.299) (0.472)	1.929 1.708 1.193	(0.858) (0.458) (0.556)
RESPIRATORY NEOPLASM NOS 2391	1989 1988 1987	303 315 368	119 116 151	108.7 82.7 145.4	1.701 1.720 1.808	(0.573) (0.283) (0.292)	1.068 2.520 3.926	(0.627) (0.751) (1.324)	4.386 0.912 0.896	(0.897) (1.062) (1.397)
NEOPLASM NOS, SITE NEC 2398	1989 1988 1987	130 161 220	43 51 71	33.4 43.1 48.6	3.273 4.023 2.678	(0.868) (0.977) (0.663)	1.363 1.008 1.263	(0.594) (0.316) (0.522)	0.464 0.854 1.797	(0.981) (0.645) (0.879)
OIA8 KETOACIDOSIS ADULT 25010	1989 1988 1987	1,535 1,735 1,743	345 325 380	165.3 285.1 269.2	4.748 6.289 5.921	(0.577) (0.629) (0.621)	0.356 0.313 0.344	(0.049) (0.032) (0.040)	1.333 1.152 1.019	(0.148) (0.128) (0.126)
OIA8 KETOACIDOSIS JUVEN 25011	1989 1988 1987	5,644 5,707 5,711	786 807 826	46.1 85.2 98.6	1.801 2.117 2.329	(0.173) (0.186) (0.200)	0.494 0.427 0.463	(0.058) (0.042) (0.047)	1.097 1.095 1.027	(0.074) (0.067) (0.069)
OIA8 RENAL MANIF ADULT 25040	1989 1988 1987	871 783 755	231 208 206	18.6 18.7 56.8*	0.697 0.598 1.059	(0.109) (0.136) (0.023)	1.906 1.107 1.093	(0.602) (0.374) (0.033)	1.122 1.587 0.971	(0.358) (0.221) (0.025)
DIA8 RENAL MANIF JUVEN 25041	1989 1988 1987	1,746 1,751 1,694	344 429 385	29.9 37.2 48.5	0.540 0.934 0.734	(0.072) (0.111) (0.133)	2.505 1.377 1.156	(0.434) (0.223) (0.373)	1.000 1.377 1.815	(0.167) (0.226)
OIA8 CIRCULAT DIS ADULT 25070	1989 1988 1987	5,106 4,885 4,960	1,018 1,057 1,067	106.0 128.1 173.1	0.892 1.010 1.148	(0.057) (0.065) (0.072)	2.028 1.801 1.864	(0.241) (0.208) (0.218)	0.837 0.983 0.923	(0.162) (0.158) (0.172)
OIA8 CIRCULAT DIS JUVEN 25071	1989 1988 1987	7,179 7,093 7,002	1,436 1,525 1,426	201.3 291.9 264.7	0.837 0.970 1.049	(0.053) (0.054) (0.058)	1.883 2.012 2.125	(0.220) (0.186) (0.232)	1.264 1.133 0.938	(0.139) (0.139) (0.159)
HYPOGLYCEMIC COMA 2510	1989 1988 1987	4,928 5,400 5,428	973 1,120 1,143	61.7 107.9 80.3	0.626 0.516 0.663	(0.063) (0.051) (0.062)	1.026 1.279 1.170	(0.137) (0.170) (0.148)	1.447 1.532 1.541	(0.092) (0.098) (0.097)
HYPOGLYCEMIA NOS 2512	1989 1988 1987	10,904 10,804 9,659	1,882 1,835 1,602	217.7 202.0 154.8	0.442 0.494 0.482	(0.033) (0.038) (0.041)	1.245 1.029 1.103	(0.130) (0.105) (0.120)	1.263 1.243 1.296	(0.062) (0.056) (0.062)
NEUROHYPOPHYSIS DIS NEC 2536	1989 1988 1987	2,124 1,965 1,788	353 334 279	31.1 38.0 25.3	0.461 0.424 0.462	(0.078) (0.068) (0.098)	1.372 1.746 1.127	(0.251) (0.368) (0.243)	1.160 1.043 1.221	(0.132) (0.151) (0.133)
CORTICOAORENAL INSUFFIC 2554	1989 1988 1987	1,028 1,106 1,011	156 164 162	17.8 18.0 3.3	0.508 0.432 0.715	(0.153) (0.124) (0.158)	0.886 1.260 1.123	(0.361) (0.639) (0.350)	1.177 1.211 1.090	(0.163) (0.222) (0.191)
CARCINOID SYNDROME 2592	1989 1988 1987	92 78 83	39 33 34	77.7* 13.0 16.4	0.925 2.201 2.909	(0.021) (0.694) (0.765)	1.164 1.506 1.321	(0.037) (0.697) (0.461)	1.053 0.793 0.357	(0.026) (0.709) (0.677)
HYPOSMOLALITY 2761	1989 1988 1987	16,742 15,801 13,801	2,581 2,369 2,027	136.7 163.5 95.2	0.705 0.643 0.795	(0.035) (0.032) (0.046)	1.012 1.164 0.876	(0.063) (0.075) (0.063)	0.938 0.856 0.958	(0.042) (0.045) (0.045)
FLUID OVERLOAD 2766	1989 1988 1987	1,193 1,071 943	257 229 198	46.8 38.9 34.2	0.307 0.326 0.308	(0.070) (0.070) (0.087)	2.051 2.235 1.634	(0.651) (1.049) (0.773)	1.266 1.044 1.270	(0.206) (0.251) (0.239)
HYPERPOTASSEMIA 2767	1989 1988 1987	3,217 2,913 2,540	860 808 693	28.3 25.7 24.6	0.991 0.915 0.829	(0.108) (0.085) (0.097)	0.610 0.727 0.741	(0.098) (0.084) (0.132)	1.287 1.197 1.303	(0.087) (0.082) (0.105)
ELECTROLYT/FLUID DIS NEC 2769	1989 1988 1987	3,340 3,932 4,178	612 732 716	9.6 4.2 6.3	0.845 0.909 1.094	(0.082) (0.083) (0.102)	1.086 0.935 0.778	(0.152) (0.109) (0.089)	0.856 1.105 1.055	(0.101) (0.093) (0.083)
CYSTIC FIBROS W/O ILEUS 27700	1989 1988 1987	91 87 100	20 16 20	51.4 23.1 39.6	0.867 3.182 10.963	(1.320) (1.772) (8.254)	13.750 1.762 0.260	(34.68) (1.002) (0.170)	8.172 3.545 7.389	(8.087) (1.972) (1.969)
CHR BLOOD LOSS ANEMIA 2800	1989 1988 1987	7,090 7,356 7,556	1,287 1,400 1,400	211.3 166.5 134.1	0.468 0.416 0.475	(0.053) (0.040) (0.044)	0.737 1.195 1.082	(0.108) (0.153) (0.133)	1.296 1.276 1.211	(0.058) (0.069) (0.064)
PERNICIOUS ANEMIA 2810	1989 1988 1987	1,632 1,868 1,920	135 136 177	112.2 148.4 100.8	0.299 0.215 0.240	(0.077) (0.049) (0.057)	1.031 1.822 1.750	(0.309) (0.656) (0.613)	0.648 0.480 0.702	(0.102) (0.134) (0.145)
812 DEFIC ANEMIA NEC 2811	1989 1988 1987	349 314 347	25 26 28	48.5 45.6* 28.9	0.066 0.977 0.149	(0.067) (0.022) (0.208)	72.907 1.144 0.566	(616.5) (0.035) (0.718)	0.296 0.992 0.901	(0.455) (0.026) (0.209)
DEFICIENCY ANEMIA NOS 2819	1989 1988 1987	1,417 1,497 1,681	303 350 335	39.0 40.9 38.7	0.385 0.438 0.397	(0.076) (0.073) (0.085)	1.643 1.882 1.303	(0.541) (0.608) (0.346)	1.307 1.329 1.491	(0.202) (0.233) (0.168)
ACQ HEMOLYTIC ANEMIA NOS 2839	1989 1988 1987	461 461 481	118 117 140	77.7* 45.6* 13.1	0.925 0.977 1.472	(0.021) (0.022) (0.286)	1.164 1.144 0.969	(0.037) (0.035) (0.266)	1.053 0.992 1.315	(0.026) (0.026) (0.314)
SIDEROBLASTIC ANEMIA 2850	1989 1988 1987	608 625 751	160 153 200	30.5 21.5 37.2	0.354 0.485 0.488	(0.103) (0.191) (0.103)	3.438 0.715 5.162	(1.760) (0.422) (1.621)	1.275 1.722 0.651	(0.450) (0.227) (0.340)
AC POSTHEMORRHAG ANEMIA 2851	1989 1988 1987	3,198 2,973 3,013	675 608 665	18.3 19.8 7.5	0.694 0.665 0.978	(0.073) (0.068) (0.102)	1.092 1.234 0.803	(0.149) (0.166) (0.105)	1.204 0.999 1.255	(0.108) (0.109) (0.099)
ANEMIA NEC 2858	1989 1988 1987	474 537 575	192 226 261	31.6 39.4 62.1	0.424 0.600 0.530	(0.149) (0.132) (0.132)	1.437 2.864 3.117	(0.728) (0.993) (1.219)	1.965 1.340 1.742	(0.294) (0.355) (0.358)

* ESTIMATE IMPUTED

TABLE 4B
ICO-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS					
					EXCESS		RELATIVE RISK		LONG TERM	
					INITIAL	PERSISTENCE				
ANEMIA NOS 2859	1989 1988 1987	9,937 10,500 10,815	3,198 3,435 3,561	316.7 292.4 274.0	0.594 0.583 0.656	(0.042) (0.032) (0.036)	0.991 1.571 1.409	(0.112) (0.139) (0.129)	1.763 1.465 1.517	(0.062) (0.067) (0.067)
CIRCULATING ANTICOAG DIS 2865	1989 1988 1987	791 791 708	126 116 105	77.7* 16.5 56.8*	0.925 1.059 1.059	(0.021) (0.314) (0.023)	1.164 0.455 1.093	(0.037) (0.168) (0.033)	1.053 0.995 0.971	(0.026) (0.151) (0.025)
PRIMARY THROMBOCYTOPENIA 2873	1989 1988 1987	1,598 1,528 1,338	286 306 294	17.5 36.8 60.2	1.178 1.106 1.346	(0.126) (0.113) (0.143)	1.434 1.850 1.769	(0.204) (0.261) (0.251)	0.556 0.574 0.717	(0.164) (0.210) (0.243)
THROMBOCYTOPENIA NOS 2875	1989 1988 1987	1,263 1,240 1,163	422 395 382	79.5 49.4 60.3	1.331 1.111 1.331	(0.140) (0.140) (0.161)	1.446 1.301 1.405	(0.224) (0.235) (0.325)	1.308 1.473 1.277	(0.231) (0.205) (0.270)
HEMORRHAGIC COND NOS 2879	1989 1988 1987	99 108 109	30 36 37	77.7* 18.4 56.8*	0.925 5.551 1.059	(0.021) (2.391) (0.023)	1.164 0.276 1.093	(0.037) (0.151) (0.033)	1.053 1.752 0.971	(0.026) (0.574) (0.025)
AGRANULOCYTOSIS 2880	1989 1988 1987	3,148 2,858 2,456	1,034 1,019 831	163.9 126.2 112.6	0.554 0.519 0.490	(0.043) (0.044) (0.052)	5.335 4.668 5.763	(0.633) (0.649) (1.068)	0.123 0.370 0.388	(0.097) (0.098) (0.107)
WBC DISEASE NEC 2888	1989 1988 1987	905 1,068 1,062	361 419 417	145.7 191.1 220.1	1.147 1.311 1.125	(0.154) (0.146) (0.142)	1.715 1.961 3.150	(0.386) (0.313) (0.639)	2.120 1.712 1.447	(0.373) (0.377) (0.488)
LYMPHADENITIS NOS 2893	1989 1988 1987	179 171 212	8 7 13	16.0 45.6* 56.8*	1.309 0.977 1.059	(2.258) (0.022) (0.023)	0.053 1.144 1.093	(0.061) (0.035) (0.033)	0.624 0.992 0.971	(0.236) (0.026) (0.025)
HYPERSPLENISM 2894	1989 1988 1987	220 205 201	39 35 37	12.0 45.6* 56.8*	0.222 0.977 1.059	(0.160) (0.022) (0.023)	3.520 1.144 1.093	(2.515) (0.035) (0.033)	0.997 0.992 0.971	(0.457) (0.026) (0.025)
BLOOD DISEASES NEC 2898	1989 1988 1987	1,372 1,177 1,078	599 518 468	410.6 391.7 308.6	1.388 1.219 1.533	(0.147) (0.169) (0.188)	1.824 1.719 1.548	(0.338) (0.476) (0.332)	2.786 3.445 2.849	(0.419) (0.489) (0.451)
BLOOD DISEASE NOS 2899	1989 1988 1987	324 364 391	104 113 141	77.7* 45.6* 27.0	0.925 0.977 1.064	(0.021) (0.022) (0.211)	1.164 1.144 2.236	(0.037) (0.035) (0.685)	1.053 0.992 1.072	(0.026) (0.026) (0.415)
ACUTE DELIRIUM 2930	1989 1988 1987	4,877 4,492 3,752	810 749 593	81.4 114.3 61.3	0.505 0.370 0.487	(0.054) (0.043) (0.068)	1.127 1.590 1.016	(0.156) (0.267) (0.160)	1.095 1.132 1.189	(0.081) (0.107) (0.090)
ORGANIC PERSONALITY SYND 3101	1989 1988 1987	496 518 563	83 72 81	11.6 18.3 56.8*	0.366 0.230 1.059	(0.144) (0.137) (0.023)	1.662 1.439 1.093	(0.782) (0.963) (0.033)	1.340 1.340 0.971	(0.340) (0.279) (0.025)
POSTCONCUSSION SYNDROME 3102	1989 1988 1987	575 692 625	45 54 45	42.7 53.4 36.9	0.227 0.204 0.293	(0.086) (0.063) (0.120)	2.641 4.789 1.469	(1.121) (2.161) (0.989)	0.376 0.156 0.510	(0.278) (0.290) (0.249)
NONPSYCHOT BRAIN SYN NEC 3108	1989 1988 1987	103 156 158	15 28 32	77.7* 16.0 56.8*	0.925 0.154 1.059	(0.021) (0.119) (0.023)	1.164 19.963 1.093	(0.037) (53.73) (0.033)	1.053 0.753 0.971	(0.026) (0.578) (0.025)
NONPSYCHOT BRAIN SYN NOS 3109	1989 1988 1987	3,301 3,872 4,711	659 797 991	62.3 93.9 114.1	0.500 0.480 0.531	(0.053) (0.047) (0.048)	1.937 2.044 2.150	(0.318) (0.292) (0.328)	1.132 1.189 1.240	(0.152) (0.142) (0.157)
MENINGITIS NOS 3229	1989 1988 1987	586 733 720	108 124 97	32.6 57.1 37.3	2.669 2.942 3.063	(0.463) (0.451) (0.568)	0.778 0.822 0.652	(0.145) (0.139) (0.134)	0.763 0.454 0.570	(0.230) (0.179) (0.190)
ENCEPHALITIS NOS 3239	1989 1988 1987	383 342 337	99 99 97	32.3 44.0 56.8*	1.732 1.689 1.059	(0.395) (0.360) (0.023)	1.174 1.490 1.093	(0.358) (0.461) (0.033)	1.730 1.722 0.971	(0.483) (0.605) (0.025)
INTRACRANIAL ABSCESS 3240	1989 1988 1987	227 214 224	75 87 76	77.7* 84.6 52.0	0.925 1.969 2.365	(0.021) (0.354) (0.412)	1.164 3.443 2.077	(0.037) (1.108) (0.585)	1.053 0.170 0.320	(0.026) (1.461) (0.667)
INTRASPINAL ABSCESS 3241	1989 1988 1987	146 121 102	30 20 29	77.7* 45.6* 12.9	0.925 0.977 1.437	(0.021) (0.022) (0.450)	1.164 1.144 3.253	(0.037) (0.035) (1.301)	1.053 0.992 0.054	(0.026) (0.026) (0.945)
ALZHEIMER'S DISEASE 3310	1989 1988 1987	2,527 2,835 3,278	490 641 693	66.0 97.3 118.7	0.500 0.774 0.802	(0.070) (0.086) (0.087)	1.862 1.556 1.617	(0.460) (0.298) (0.307)	1.477 1.642 1.645	(0.208) (0.205) (0.195)
VASCULAR MYELOPATHIES 3361	1989 1988 1987	266 266 250	65 49 54	12.4 45.6* 56.8*	1.707 0.977 1.059	(0.411) (0.022) (0.023)	1.112 1.144 1.093	(0.291) (0.035) (0.033)	1.185 0.992 0.971	(0.394) (0.026) (0.025)
SPINAL CORD DISEASE NOS 3369	1989 1988 1987	749 883 853	269 274 287	80.6 62.6 92.1	0.901 0.842 1.148	(0.176) (0.163) (0.194)	1.813 2.016 1.745	(0.399) (0.396) (0.327)	1.931 1.553 1.794	(0.343) (0.318) (0.318)
PARAPLEGIA NOS 3441	1989 1988 1987	335 344 344	86 76 90	16.8 45.6* 18.5	1.014 0.977 1.410	(0.306) (0.022) (0.375)	1.331 1.144 1.169	(0.486) (0.035) (0.372)	1.812 0.992 1.650	(0.502) (0.026) (0.457)
GRAND MAL STATUS 3453	1989 1988 1987	3,952 3,885 3,703	839 895 862	69.8 142.8 179.7	1.246 1.473 1.724	(0.099) (0.114) (0.118)	1.128 1.093 1.168	(0.119) (0.117) (0.103)	1.303 1.456 1.188	(0.118) (0.134) (0.136)
CEREBROSPINAL RHINORRHEA 34981	1989 1988 1987	137 116 103	6 4 2	12.5 45.6* 56.8*	0.179 0.977 1.059	(0.223) (0.022) (0.023)	2.510 1.144 1.093	(2.568) (0.035) (0.033)	0.252 0.992 0.971	(0.520) (0.026) (0.025)
TOXIC ENCEPHALOPATHY 34982	1989 1988 1987	1,430 1,460 1,483	294 318 305	7.4 15.7 12.9	0.783 0.707 0.756	(0.102) (0.107) (0.100)	1.445 1.368 1.670	(0.244) (0.327) (0.355)	0.982 1.306 1.004	(0.181) (0.210) (0.216)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS					
					INITIAL		RELATIVE RISK		LONG TERM	
					EXCESS	PERSISTENCE	EXCESS	PERSISTENCE	EXCESS	PERSISTENCE
HERED PROG MUSC DYSTROPHY 3591	1989 1988 1987	77 95 118	19 27 29	77.7* 22.4 33.0	0.925 2.926 7.132	{0.021} {1.573} {2.609}	1.164 1.181 0.559	{0.037} {0.997} {0.216}	1.053 2.338 1.831	{0.026} {1.617} {0.804}
MITRAL STENOSIS 3940	1989 1988 1987	1,007 1,069 1,136	127 167 163	4.3 8.1 6.6	0.840 1.150 1.315	{0.143} {0.170} {0.210}	1.510 1.360 1.074	{0.345} {0.255} {0.220}	0.567 0.709 0.726	{0.221} {0.222} {0.200}
MITRAL/AORTIC STENOSIS 3960	1989 1988 1987	390 429 436	82 114 98	77.7* 30.3 16.7	0.925 1.502 1.825	{0.021} {0.251} {0.387}	1.164 1.566 0.947	{0.037} {0.346} {0.245}	1.053 0.871 1.252	{0.026} {0.416} {0.357}
MITRAL INSUF/ADRT STENOS 3962	1989 1988 1987	940 940 723	229 247 184	30.3 24.3 32.9	1.203 1.301 1.567	{0.138} {0.180} {0.201}	1.777 1.086 1.348	{0.335} {0.191} {0.216}	0.443 1.369 0.656	{0.311} {0.240} {0.258}
MITRAL/AORTIC VAL INSUFF 3963	1989 1988 1987	653 661 565	119 127 94	12.7 45.6* 56.8*	1.212 0.977 1.059	{0.191} {0.022} {0.023}	1.425 1.144 1.093	{0.294} {0.035} {0.033}	0.321 0.992 0.971	{0.224} {0.026} {0.025}
MITR/AORTIC MULT INVOLV 3968	1989 1988 1987	770 794 651	138 180 138	77.7* 19.6 20.4	0.925 1.451 1.606	{0.021} {0.221} {0.273}	1.164 1.083 1.154	{0.037} {0.208} {0.259}	1.053 1.189 0.971	{0.026} {0.270} {0.310}
MAL HYPERT HRT DIS W CHF 40201	1989 1988 1987	782 613 570	104 93 91	23.4 45.6* 56.8*	0.429 0.977 1.059	{0.164} {0.022} {0.023}	1.177 1.144 1.093	{0.925} {0.035} {0.033}	0.914 0.992 0.971	{0.323} {0.026} {0.025}
BENIGN HYP HRT DIS W CHF 40211	1989 1988 1987	1,631 1,458 1,593	345 366 405	22.8 24.4 36.9	0.636 0.896 0.926	{0.106} {0.129} {0.142}	0.984 0.786 0.823	{0.236} {0.127} {0.158}	1.388 1.676 1.819	{0.155} {0.152} {0.162}
HYPERTEN HEART DIS W CHF 40291	1989 1988 1987	17,992 15,562 14,430	3,706 3,316 3,255	152.0 98.4 127.5	0.675 0.800 0.896	{0.030} {0.037} {0.043}	1.096 0.913 0.907	{0.064} {0.053} {0.056}	1.267 1.325 1.500	{0.046} {0.046} {0.053}
MAL HYPERTENS RENAL DIS 4030	1989 1988 1987	607 544 529	77 82 78	77.7* 12.6 56.8*	0.925 0.434 1.059	{0.021} {0.113} {0.023}	1.164 3.375 1.093	{0.037} {1.758} {0.033}	1.053 0.787 0.971	{0.026} {0.540} {0.025}
BENIGN HYPERT RENAL DIS 4031	1989 1988 1987	254 220 251	55 44 78	77.7* 45.6* 32.7	0.925 0.977 2.508	{0.021} {0.022} {0.589}	1.164 1.144 0.840	{0.037} {0.035} {0.238}	1.053 0.992 1.875	{0.026} {0.026} {0.507}
HYPERTENS RENAL DIS NOS 4039	1989 1988 1987	3,604 3,308 3,271	738 734 728	88.1 82.3 78.2	0.797 1.046 1.242	{0.061} {0.075} {0.109}	2.374 1.929 1.148	{0.417} {0.268} {0.141}	0.855 0.696 1.411	{0.239} {0.191} {0.140}
BEN HYPERT HRT/RENAL DIS 4041	1989 1988 1987	110 112 104	41 45 38	18.0 16.6 17.9	0.963 1.820 2.735	{0.346} {0.696} {0.968}	2.286 0.861 0.776	{1.370} {0.499} {0.332}	1.827 2.460 2.076	{1.197} {0.887} {0.795}
HYPERT HRT/RENAL DIS NOS 4049	1989 1988 1987	932 811 651	332 294 240	96.3 82.5 79.4	1.178 1.254 1.649	{0.167} {0.169} {0.245}	1.273 1.354 1.002	{0.271} {0.249} {0.187}	2.139 1.898 2.208	{0.309} {0.325} {0.338}
SUBENDOCARDIAL INFARCT 4107	1989 1988 1987	43,002 40,881 38,553	9,019 8,737 8,126	140.4 159.3 196.5	1.304 1.338 1.406	{0.030} {0.031} {0.034}	0.815 0.759 0.790	{0.022} {0.021} {0.023}	0.988 1.034 1.032	{0.024} {0.025} {0.027}
POST MI SYNDROME 4110	1989 1988 1987	1,012 1,022 993	127 98 115	69.3 128.3 89.4	0.704 0.501 0.819	{0.174} {0.123} {0.163}	0.830 0.721 0.617	{0.295} {0.191} {0.121}	0.450 0.406 0.437	{0.122} {0.077} {0.080}
PERICARDIAL DISEASE NOS 4239	1989 1988 1987	2,000 2,038 2,145	318 302 312	41.3 44.4 36.4	1.619 1.058 0.954	{0.227} {0.176} {0.142}	0.422 0.471 0.628	{0.064} {0.088} {0.114}	0.973 1.045 0.900	{0.093} {0.093} {0.097}
MITRAL VALVE DISORDER 4240	1989 1988 1987	4,508 4,657 4,642	499 529 486	60.0 54.2 50.6	0.787 0.850 0.825	{0.069} {0.073} {0.080}	1.246 1.117 1.072	{0.137} {0.113} {0.129}	0.466 0.534 0.591	{0.081} {0.074} {0.078}
ADRTIC VALVE DISORDER 4241	1989 1988 1987	11,901 12,213 11,428	1,741 1,835 1,779	61.3 71.4 59.8	1.054 1.145 1.286	{0.055} {0.058} {0.063}	0.937 0.822 0.886	{0.060} {0.049} {0.052}	0.719 0.777 0.745	{0.048} {0.045} {0.045}
ENDOCARDITIS NOS 42490	1989 1988 1987	245 235 292	59 74 64	77.7* 19.6 56.8*	0.925 1.964 1.059	{0.021} {0.541} {0.023}	1.164 0.735 1.093	{0.037} {0.219} {0.033}	1.053 2.058 0.971	{0.026} {0.458} {0.025}
ATRIVENT BLOCK COMPLETE 4260	1989 1988 1987	13,729 13,135 12,701	1,805 1,862 1,826	630.7 553.4 442.5	1.273 1.342 1.413	{0.078} {0.077} {0.080}	0.410 0.410 0.438	{0.029} {0.026} {0.028}	0.749 0.806 0.783	{0.032} {0.033} {0.034}
CONDUCTION DISORDER NOS 4269	1989 1988 1987	1,373 1,505 1,765	119 127 165	157.3 202.0 171.5	0.814 0.486 0.491	{0.318} {0.165} {0.121}	0.189 0.322 0.492	{0.084} {0.126} {0.137}	0.724 0.648 0.681	{0.083} {0.077} {0.078}
PAROX VENTRIC TACHYCARD 4271	1989 1988 1987	16,661 16,213 14,847	2,995 2,922 2,735	149.7 135.3 80.9	1.276 1.096 1.314	{0.057} {0.050} {0.066}	0.606 0.664 0.601	{0.031} {0.036} {0.038}	0.988 1.003 1.083	{0.035} {0.037} {0.041}
MYOCARDIAL DEGENERATION 4291	1989 1988 1987	53 93 115	9 21 30	13.7 45.6* 56.8*	6.629 0.977 1.059	{3.331} {0.022} {0.023}	0.204 1.144 1.093	{0.077} {0.035} {0.033}	0.296 0.992 0.971	{0.296} {0.026} {0.025}
ASCVD 4292	1989 1988 1987	1,766 2,030 2,517	232 319 457	46.3 29.3 73.3	1.692 1.741 2.370	{0.244} {0.236} {0.240}	0.548 0.514 0.462	{0.091} {0.083} {0.051}	0.635 0.921 0.982	{0.103} {0.110} {0.094}
CEREBRAL ATHEROSCLEROSIS 4370	1989 1988 1987	1,975 2,582 2,959	279 417 443	24.8 19.9 9.0	0.585 0.613 0.821	{0.090} {0.083} {0.098}	1.161 1.189 0.994	{0.225} {0.221} {0.155}	0.909 1.166 0.950	{0.129} {0.135} {0.110}
AC CEREBROVASC INSUF NOS 4371	1989 1988 1987	3,329 3,730 4,294	510 534 615	44.4 71.4 37.0	0.702 0.541 0.791	{0.085} {0.057} {0.078}	0.824 1.272 0.929	{0.119} {0.182} {0.112}	1.051 0.791 0.860	{0.086} {0.093} {0.078}

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

AVERAGE RISK DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS		INITIAL	PERSISTENCE		LONG TERM
NONRUPT CEREBRAL ANEURYM 4373	1989	837	130	14.5	1.258	(0.208)	1.564	(0.358)	0.705	(0.314)
	1988	878	129	20.8	1.266	(0.195)	1.706	(0.321)	0.489	(0.250)
	1987	843	136	23.5	1.827	(0.350)	1.049	(0.279)	1.114	(0.311)
CEREBRAL ARTERITIS 4374	1989	112	33	21.6	1.031	(0.474)	2.720	(1.291)	1.839	(1.473)
	1988	99	23	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	91	17	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
CEREBROVASC DISEASE NEC 4378	1989	415	64	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	471	95	13.5	1.910	(0.576)	0.341	(0.100)	1.877	(0.262)
	1987	605	116	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
CEREBROVASC DISEASE NOS 4379	1989	1,600	193	55.3	0.845	(0.161)	0.560	(0.117)	0.817	(0.098)
	1988	1,841	231	58.1	0.413	(0.064)	1.702	(0.395)	0.637	(0.155)
	1987	2,410	299	40.2	0.686	(0.097)	0.967	(0.172)	0.762	(0.103)
LATE EFF CEREBROVASC DIS 438	1989	349	75	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	378	87	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	431	112	18.7	1.890	(0.491)	0.587	(0.178)	1.908	(0.318)
AORTIC ATHEROSCLEROSIS 4400	1989	906	104	16.9	1.883	(0.342)	0.807	(0.158)	0.557	(0.175)
	1988	1,070	132	8.9	1.642	(0.304)	0.836	(0.188)	0.814	(0.202)
	1987	1,102	133	23.7	2.130	(0.338)	0.744	(0.115)	0.644	(0.151)
RENAL ARTERY ATHEROSCLER 4401	1989	1,226	121	23.8	0.534	(0.085)	3.293	(0.850)	0.066	(0.321)
	1988	1,203	126	10.5	0.568	(0.113)	1.772	(0.511)	0.663	(0.235)
	1987	1,094	103	16.6	0.601	(0.123)	2.291	(0.559)	0.300	(0.308)
ATHEROSCLEROS-EXTREMITY 4402	1989	20,467	3,624	228.5	0.810	(0.030)	1.849	(0.122)	0.930	(0.076)
	1988	19,375	3,519	208.9	0.926	(0.033)	1.678	(0.101)	0.899	(0.073)
	1987	16,932	3,284	389.8	1.090	(0.038)	1.842	(0.117)	0.816	(0.089)
ATHEROSCLEROSIS NOS 4409	1989	482	100	18.4	2.222	(0.441)	0.762	(0.177)	0.908	(0.262)
	1988	646	127	32.0	2.557	(0.404)	0.688	(0.109)	0.765	(0.195)
	1987	852	184	36.4	2.395	(0.405)	0.647	(0.139)	1.386	(0.242)
ABDOM AORTIC ANEURYSM 4414	1989	20,886	2,620	264.6	1.663	(0.064)	0.809	(0.034)	0.647	(0.036)
	1988	20,243	2,770	296.4	1.788	(0.067)	0.770	(0.031)	0.706	(0.037)
	1987	19,055	2,664	364.4	1.931	(0.073)	0.824	(0.036)	0.681	(0.042)
AORTIC ANEURYSM NOS 4419	1989	101	31	37.6	9.347	(3.208)	0.333	(0.105)	2.642	(0.854)
	1988	109	34	42.9	8.379	(2.491)	0.398	(0.114)	0.916	(0.472)
	1987	139	37	29.1	5.874	(2.053)	0.424	(0.179)	1.917	(0.714)
PERIPH VASCULAR DIS NEC 44389	1989	616	126	15.3	1.052	(0.248)	1.106	(0.331)	1.689	(0.322)
	1988	570	87	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	526	88	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
PERIPH VASCULAR DIS NOS 4439	1989	9,678	1,451	25.8	0.760	(0.049)	1.465	(0.158)	0.962	(0.091)
	1988	10,092	1,539	23.4	0.843	(0.048)	1.459	(0.133)	0.875	(0.085)
	1987	10,790	1,684	75.2	1.007	(0.050)	1.593	(0.127)	0.764	(0.089)
ABD AORTIC EMBOLISM 4440	1989	2,945	525	309.3	4.479	(0.382)	0.505	(0.047)	0.908	(0.111)
	1988	3,180	560	336.5	4.621	(0.369)	0.494	(0.041)	0.967	(0.105)
	1987	3,375	622	466.6	5.682	(0.438)	0.444	(0.036)	1.079	(0.111)
UPPER EXTREMITY EMBOLISM 44421	1989	2,070	383	29.4	1.193	(0.152)	0.546	(0.073)	1.155	(0.100)
	1988	1,980	385	10.6	1.258	(0.153)	0.649	(0.092)	1.107	(0.115)
	1987	2,022	369	8.5	1.079	(0.137)	0.718	(0.104)	1.077	(0.110)
LOWER EXTREMITY EMBOLISM 44422	1989	25,865	4,256	54.2	1.201	(0.042)	0.994	(0.046)	0.980	(0.041)
	1988	26,221	4,288	76.6	1.273	(0.042)	0.955	(0.040)	0.939	(0.039)
	1987	25,597	4,185	175.3	1.402	(0.046)	0.993	(0.043)	0.909	(0.043)
ILIAC ARTERY EMBOLISM 44481	1989	3,051	405	14.6	1.496	(0.174)	0.753	(0.111)	0.912	(0.111)
	1988	2,952	474	45.0	1.816	(0.173)	0.799	(0.089)	0.986	(0.115)
	1987	3,058	429	30.0	1.746	(0.191)	0.746	(0.104)	0.901	(0.114)
ARTERIAL EMBOLISM NOS 4449	1989	92	28	26.1	6.336	(2.021)	0.372	(0.115)	1.009	(0.493)
	1988	85	31	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	128	39	37.1	7.487	(2.423)	0.319	(0.119)	1.362	(0.549)
POLYARTERITIS NODOSA 4460	1989	235	47	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	227	61	19.4	1.312	(0.333)	1.782	(0.591)	1.224	(0.655)
	1987	241	57	15.8	0.754	(0.279)	2.183	(0.942)	1.583	(0.728)
HYPERSENSITIV ANGIITIS 4462	1989	210	51	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	237	53	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	216	50	16.4	1.542	(0.359)	2.118	(0.920)	0.331	(0.836)
WEGENER'S GRANULOMATOSIS 4464	1989	207	60	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	200	65	42.6	1.502	(0.376)	2.658	(0.879)	0.996	(1.208)
	1987	194	65	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
GIANT CELL ARTERITIS 4465	1989	1,495	130	64.4	0.204	(0.070)	1.629	(0.666)	0.888	(0.160)
	1988	1,623	149	65.8	0.217	(0.061)	2.860	(1.049)	0.733	(0.233)
	1987	1,662	156	66.0	0.168	(0.064)	2.653	(1.119)	0.950	(0.209)
THROMBOT MICROANGIOPATHY 4466	1989	119	58	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	94	49	78.8	6.185	(1.351)	1.149	(0.307)	1.173	(1.069)
	1987	73	33	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
LYMPHANGITIS 4572	1989	180	15	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	213	16	18.4	0.705	(1.209)	0.061	(0.076)	0.828	(0.214)
	1987	229	14	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
NONINFECT LYMPH DIS NEC 4578	1989	276	45	15.7	0.478	(0.145)	4.659	(1.859)	0.034	(0.322)
	1988	269	44	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	278	42	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
POSTPHLEBITIC SYNDROME 4591	1989	226	11	22.7	0.148	(0.138)	2.020	(1.486)	0.370	(0.275)
	1988	234	4	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	238	11	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
VENOUS INSUFFICIENCY NOS 45981	1989	1,180	98	71.2	0.320	(0.144)	0.555	(0.276)	0.893	(0.121)
	1988	1,367	141	67.3	0.174	(0.067)	1.760	(1.083)	0.993	(0.185)
	1987	1,375	117	54.8	0.333	(0.083)	1.694	(0.717)	0.573	(0.190)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS						
					EXCESS		INITIAL	RELATIVE RISK		LONG TERM	
								PERSISTENCE			
CIRCULATORY DISEASE NOS 4599	1989 1988 1987	500 598 643	96 140 136	77.7* 29.4 15.8	0.925 2.257 1.838	(0.021) (0.423) (0.321)	1.164 0.747 0.885	(0.037) (0.188) (0.202)	1.053 1.329 0.898	(0.026) (0.313) (0.242)	
VIRAL PNEUMONIA NEC 4808	1989 1988 1987	244 272 156	57 67 33	77.7* 15.8 56.8*	0.925 1.801 1.059	(0.021) (0.377) (0.023)	1.164 1.221 1.093	(0.037) (0.277) (0.033)	1.053 0.670 0.971	(0.026) (0.348) (0.025)	
VIRAL PNEUMONIA NOS 4809	1989 1988 1987	3,700 3,839 3,309	501 566 507	78.7 57.0 23.2	0.978 1.153 1.233	(0.081) (0.092) (0.123)	1.032 0.896 0.826	(0.090) (0.075) (0.103)	0.427 0.545 0.735	(0.062) (0.064) (0.086)	
H. INFLUENZAE PNEUMONIA 4822	1989 1988 1987	13,327 12,997 13,202	2,202 2,339 2,320	70.8 15.9 16.5	0.814 0.923 0.974	(0.037) (0.042) (0.044)	1.177 1.062 1.082	(0.064) (0.059) (0.059)	0.733 0.864 0.820	(0.043) (0.046) (0.046)	
PNEUMONIA: ORGANISM NEC 483	1989 1988 1987	3,368 3,456 3,430	562 570 507	12.5 21.6 21.2	0.998 1.139 1.084	(0.083) (0.088) (0.095)	1.170 1.070 1.052	(0.115) (0.089) (0.106)	0.675 0.616 0.619	(0.087) (0.080) (0.082)	
INFLUENZA WITH PNEUMONIA 4870	1989 1988 1987	1,744 2,212 869	237 328 130	56.0 50.9 19.6	1.364 1.470 1.774	(0.158) (0.156) (0.304)	0.843 0.655 0.609	(0.103) (0.069) (0.103)	0.349 0.604 0.661	(0.083) (0.079) (0.129)	
EMPHYSEMATOUS BLEB 4920	1989 1988 1987	637 632 772	176 190 253	55.8 62.6 142.4	1.468 1.774 2.256	(0.221) (0.267) (0.261)	1.623 1.260 1.426	(0.355) (0.243) (0.211)	1.233 1.465 1.279	(0.378) (0.311) (0.342)	
EMPHYSEMA NEC 4928	1989 1988 1987	8,524 9,101 11,784	2,257 2,601 3,567	447.5 668.4 1196.9	1.514 1.517 1.949	(0.076) (0.066) (0.075)	0.999 1.196 1.005	(0.063) (0.070) (0.052)	1.746 1.663 1.825	(0.085) (0.091) (0.078)	
CHR AIRWAY OBSTRUCT NEC 496	1989 1988 1987	32,495 32,142 43,844	7,367 7,551 11,551	510.2 559.0 1961.7	0.983 1.082 1.475	(0.029) (0.032) (0.032)	1.159 1.050 1.089	(0.047) (0.043) (0.033)	1.456 1.515 1.510	(0.041) (0.041) (0.038)	
FUM/VAP AC RESP CONO NEC 5063	1989 1988 1987	82 67 82	4 5 5	11.4 45.6* 56.8*	0.169 0.977 1.059	(0.437) (0.022) (0.023)	0.404 1.144 1.093	(0.588) (0.035) (0.033)	0.547 0.992 0.971	(0.316) (0.026) (0.025)	
CHR PUL MANIF O/T RADIAT 5081	1989 1988 1987	86 74 88	44 27 36	34.2 45.6* 56.8*	1.324 0.977 1.059	(0.523) (0.022) (0.023)	5.572 1.144 1.093	(2.660) (0.035) (0.033)	0.334 0.992 0.971	(1.587) (0.026) (0.025)	
PULMONARY EOSINOPHILIA 5183	1989 1988 1987	1,541 1,501 1,874	397 382 435	37.7 33.6 23.7	1.573 1.637 1.297	(0.195) (0.197) (0.167)	0.788 0.814 0.999	(0.121) (0.125) (0.202)	1.491 1.323 1.250	(0.159) (0.158) (0.171)	
5188 5188 OISEASE NEC	1988 1987	3 3,439	1 637	45.6* 19.9	0.977 0.999	(0.022) (0.094)	1.144 1.212	(0.035) (0.149)	0.992 1.164	(0.026) (0.125)	
RESPIRATORY FAILURE 51881 51881 51881	1989 1988 1987	48,927 37,559 1	25,113 19,561 1	26937 21711 56.8*	4.675 4.781 1.059	(0.057) (0.065) (0.023)	0.781 0.800 1.093	(0.012) (0.014) (0.033)	2.705 2.653 0.971	(0.049) (0.057) (0.025)	
OTHER PULMONARY INSUFF 51882	1989 1988	9,888 9,286	3,421 3,247	1407.6 1380.9	2.695 2.711	(0.096) (0.102)	0.780 0.756	(0.034) (0.034)	1.762 1.911	(0.076) (0.079)	
OTHER LUNG OISEASE NEC 51889 51889 51889	1989 1988 1987	2,558 2,935 1	421 493 0	1.7 11.4 56.8*	0.930 0.941 1.059	(0.114) (0.132) (0.023)	1.023 0.761 1.093	(0.157) (0.148) (0.033)	1.112 1.358 0.971	(0.120) (0.117) (0.025)	
RESP SYSTEM DISEASE NEC 5198	1989 1988 1987	1,944 2,116 2,130	352 384 384	13.2 17.8 1.2	0.733 0.848 0.970	(0.121) (0.135) (0.129)	0.875 0.691 0.928	(0.206) (0.136) (0.159)	1.256 1.331 1.134	(0.137) (0.114) (0.131)	
RESP SYSTEM DISEASE NOS 5199	1989 1988 1987	58 74 76	12 18 12	13.9 45.6* 56.8*	13.006 0.977 1.059	(7.110) (0.022) (0.023)	0.089 1.144 1.093	(0.036) (0.035) (0.033)	1.217 0.992 0.971	(0.544) (0.026) (0.025)	
AC STOMACH ULCER W HEM 53100	1989 1988 1987	11,799 11,373 9,985	1,349 1,228 1,163	294.2 380.4 187.9	0.713 0.616 0.773	(0.044) (0.040) (0.052)	0.900 0.981 0.907	(0.059) (0.074) (0.069)	0.656 0.596 0.669	(0.038) (0.040) (0.045)	
CHR STOMACH ULC W HEM 53140	1989 1988 1987	18,384 19,053 18,205	2,012 2,055 2,033	589.3 638.4 437.7	0.543 0.569 0.657	(0.033) (0.030) (0.037)	0.927 1.009 0.905	(0.073) (0.064) (0.065)	0.746 0.635 0.713	(0.035) (0.033) (0.035)	
AC DUODENAL ULCER W HEM 53200	1989 1988 1987	9,449 9,472 8,744	1,206 1,179 1,047	155.0 202.4 175.6	0.927 0.882 0.856	(0.059) (0.052) (0.058)	0.832 0.913 0.891	(0.060) (0.058) (0.070)	0.664 0.554 0.603	(0.044) (0.042) (0.046)	
CHR DUODEN ULCER W HEM 53240	1989 1988 1987	12,298 12,981 12,212	1,451 1,572 1,496	298.8 324.2 192.9	0.697 0.692 0.881	(0.039) (0.039) (0.050)	1.055 0.967 0.908	(0.068) (0.066) (0.062)	0.569 0.638 0.630	(0.039) (0.040) (0.042)	
AC PEPTIC ULCER W HEMORR 53300	1989 1988 1987	1,260 1,362 1,359	178 209 200	24.7 31.8 24.8	1.182 1.565 1.725	(0.165) (0.227) (0.291)	0.900 0.567 0.496	(0.137) (0.090) (0.100)	0.466 0.707 0.818	(0.113) (0.110) (0.124)	
CHR PEPTIC ULCER W HEM 53340	1989 1988 1987	2,909 3,271 3,560	451 532 519	44.3 15.0 34.8	1.319 1.062 1.294	(0.181) (0.103) (0.137)	0.431 0.834 0.608	(0.072) (0.100) (0.076)	1.104 0.844 0.893	(0.085) (0.089) (0.079)	
AC MARGINAL ULCER W HEM 53400	1989 1988 1987	323 385 311	40 40 33	77.7* 18.4 56.8*	0.925 0.321 1.059	(0.021) (0.136) (0.023)	1.164 1.667 1.093	(0.037) (0.112) (0.033)	1.053 0.643 0.971	(0.026) (0.275) (0.025)	
CHR MARGINAL ULCER W HEM 53440	1989 1988 1987	591 629 639	69 61 67	13.5 29.2 14.7	0.762 0.531 0.668	(0.240) (0.186) (0.179)	0.673 0.724 1.018	(0.210) (0.253) (0.271)	0.871 0.742 0.612	(0.173) (0.151) (0.177)	
ACQ PYLORIC STENOSIS 5370	1989 1988 1987	2,920 2,898 2,873	602 656 619	17.2 35.9 51.7	0.939 0.908 0.998	(0.093) (0.098) (0.111)	1.194 1.051 1.092	(0.133) (0.131) (0.136)	1.214 1.511 1.567	(0.128) (0.124) (0.138)	

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS					
					EXCESS		INITIAL PERSISTENCE		LONG TERM	
DUODENAL OBSTRUCTION NEC 5373	1989	302	119	65.5	0.355	(0.260)	1.416	(1.062)	3.611	(0.567)
	1988	310	109	31.1	0.593	(0.222)	1.865	(0.739)	2.203	(0.482)
	1987	290	98	22.7	0.955	(0.297)	1.486	(0.558)	1.917	(0.485)
GASTRIC/DUODENAL FISTULA 5374	1989	142	48	23.2	0.951	(0.421)	2.206	(1.047)	2.189	(1.102)
	1988	170	60	30.4	1.921	(0.524)	1.507	(0.595)	1.669	(0.675)
	1987	132	44	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
GASTRODUODENAL DIS NEC 53789	1989	1,196	187	19.8	0.559	(0.124)	1.057	(0.366)	0.982	(0.172)
	1988	1,098	183	5.9	0.850	(0.129)	1.180	(0.213)	0.690	(0.164)
	1987	870	118	21.3	0.677	(0.125)	1.357	(0.334)	0.457	(0.172)
CHR VASC INSUFF INTEST 5571	1989	3,822	634	33.5	0.748	(0.075)	0.994	(0.138)	0.883	(0.087)
	1988	3,509	578	33.3	0.721	(0.062)	1.313	(0.150)	0.666	(0.094)
	1987	2,717	448	25.2	0.872	(0.083)	1.280	(0.173)	0.530	(0.107)
VASC INSUFF INTEST NDS 5579	1989	1,786	407	108.6	2.592	(0.237)	0.634	(0.062)	0.709	(0.101)
	1988	1,591	378	79.2	2.329	(0.227)	0.723	(0.082)	0.833	(0.131)
	1987	1,506	347	58.7	2.292	(0.268)	0.668	(0.100)	1.143	(0.162)
PARALYTIC ILEUS 5601	1989	10,574	1,887	61.8	0.736	(0.044)	1.003	(0.077)	1.012	(0.052)
	1988	9,969	1,835	39.3	0.788	(0.045)	1.059	(0.079)	0.930	(0.055)
	1987	9,573	1,752	14.1	0.906	(0.056)	0.928	(0.081)	1.013	(0.059)
GALLSTONE ILEUS 56031	1989	411	61	19.3	1.474	(0.301)	0.806	(0.141)	0.267	(0.122)
	1988	434	70	45.6*	0.977	(0.022)	1.144	(0.035)	0.982	(0.026)
	1987	423	59	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
IMPACTION INTESTINE NEC 56039	1989	8,665	1,677	81.5	0.645	(0.047)	0.997	(0.103)	1.226	(0.062)
	1988	8,750	1,806	21.1	0.867	(0.055)	0.933	(0.081)	1.217	(0.065)
	1987	8,703	1,695	77.8	0.646	(0.050)	0.986	(0.110)	1.332	(0.067)
INTESTINAL ADHES W OBSTR 56081	1989	19,341	2,442	404.6	0.774	(0.032)	1.077	(0.050)	0.536	(0.030)
	1988	18,764	2,454	361.1	0.771	(0.032)	1.111	(0.053)	0.542	(0.032)
	1987	17,568	2,332	222.4	0.935	(0.039)	1.031	(0.050)	0.569	(0.034)
INTESTINAL OBSTRUCT NOS 5609	1989	27,128	5,292	235.4	1.536	(0.050)	0.583	(0.023)	1.035	(0.029)
	1988	27,724	5,532	308.0	1.646	(0.053)	0.550	(0.021)	1.057	(0.029)
	1987	27,729	5,517	304.2	1.717	(0.054)	0.588	(0.022)	1.046	(0.030)
RECTAL & ANAL HEMORRHAGE 5693	1989	4,780	791	68.5	0.827	(0.081)	0.704	(0.083)	0.992	(0.065)
	1988	5,304	893	58.4	0.857	(0.076)	0.768	(0.090)	0.938	(0.066)
	1987	5,657	939	47.6	1.192	(0.112)	0.550	(0.068)	1.037	(0.063)
INTESTINAL FISTULA 56981	1989	975	267	65.9	0.934	(0.145)	2.418	(0.466)	1.123	(0.350)
	1988	1,019	248	34.3	0.855	(0.143)	1.855	(0.441)	1.310	(0.301)
	1987	1,016	236	24.9	1.059	(0.167)	1.529	(0.338)	1.222	(0.255)
INTESTINAL DISORDERS NEC 56989	1989	971	139	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	1,003	158	6.1	1.139	(0.139)	1.000	(0.112)	0.647	(0.128)
	1987	1,066	156	10.0	1.593	(0.299)	0.564	(0.112)	0.929	(0.139)
AC ALCOHOLIC HEPATITIS 5711	1989	1,160	268	67.6	1.935	(0.223)	1.060	(0.129)	1.171	(0.193)
	1988	1,107	255	65.2	1.911	(0.213)	1.107	(0.128)	0.976	(0.185)
	1987	1,106	259	72.6	1.899	(0.210)	1.182	(0.149)	0.940	(0.214)
ALCOHOLIC LIVER DAMAGE NOS 5713	1989	473	175	149.6	3.748	(0.528)	0.904	(0.141)	2.167	(0.426)
	1988	495	182	139.6	3.633	(0.534)	0.774	(0.125)	2.466	(0.424)
	1987	499	185	151.7	2.770	(0.436)	1.127	(0.247)	2.648	(0.569)
CHRONIC HEPATITIS NEC 57149	1989	518	146	53.0	1.103	(0.193)	1.976	(0.514)	1.586	(0.530)
	1988	575	154	41.3	0.930	(0.182)	1.572	(0.374)	1.959	(0.405)
	1987	717	171	23.7	1.176	(0.170)	1.577	(0.360)	1.000	(0.362)
ABSCESS OF LIVER 5720	1989	678	136	12.1	1.023	(0.152)	1.817	(0.349)	0.485	(0.249)
	1988	673	153	20.7	1.194	(0.162)	1.738	(0.286)	0.496	(0.258)
	1987	616	120	13.2	1.328	(0.199)	1.490	(0.248)	0.392	(0.233)
CHR PASSIV CONGEST LIVER 5730	1989	146	60	33.5	1.392	(0.532)	0.829	(0.425)	3.852	(0.890)
	1988	150	47	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	158	52	22.7	0.622	(0.301)	1.652	(1.052)	2.817	(0.800)
HEPATITIS NOS 5733	1989	1,408	220	2.1	0.942	(0.137)	1.157	(0.210)	0.794	(0.145)
	1988	1,363	185	9.6	0.851	(0.134)	1.327	(0.325)	0.532	(0.183)
	1987	1,503	212	11.9	1.008	(0.131)	1.225	(0.183)	0.526	(0.124)
LIVER DISORDERS NEC 5738	1989	820	173	11.8	1.137	(0.175)	1.414	(0.293)	0.928	(0.255)
	1988	884	208	30.5	1.342	(0.250)	1.055	(0.331)	1.611	(0.334)
	1987	946	199	16.1	1.358	(0.224)	1.083	(0.259)	1.205	(0.257)
LIVER DISORDER NOS 5739	1989	237	64	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	278	81	31.0	1.501	(0.291)	2.125	(0.812)	0.742	(0.820)
	1987	313	92	49.5	2.488	(0.445)	1.276	(0.284)	1.124	(0.529)
CHOLELITH/AC GB INF-DBST 57401	1989	4,513	342	292.2	0.480	(0.050)	1.208	(0.137)	0.308	(0.053)
	1988	4,364	357	257.5	0.473	(0.050)	1.315	(0.173)	0.316	(0.064)
	1987	3,996	320	205.0	0.572	(0.060)	1.203	(0.144)	0.296	(0.062)
CHOLELITH/GB INF NEC-D8S 57411	1989	2,552	188	133.3	0.422	(0.064)	1.391	(0.241)	0.374	(0.084)
	1988	2,636	188	167.1	0.446	(0.060)	1.453	(0.237)	0.236	(0.077)
	1987	2,481	203	93.8	0.515	(0.077)	1.251	(0.210)	0.447	(0.086)
CHOLELITHIAS NOS W DBSTR 57421	1989	601	93	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	610	84	11.8	0.599	(0.148)	1.226	(0.398)	0.688	(0.213)
	1987	647	91	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
CHOLEDOCHLITH/AC GB-DBST 57431	1989	1,916	180	101.7	0.642	(0.085)	1.301	(0.207)	0.199	(0.085)
	1988	1,910	198	83.6	0.609	(0.081)	1.226	(0.180)	0.352	(0.088)
	1987	1,798	177	75.0	0.570	(0.084)	1.319	(0.219)	0.365	(0.097)
CHOLEDOCHLITH/GB NEC-D8S 57441	1989	1,944	181	69.5	0.487	(0.080)	1.313	(0.257)	0.509	(0.105)
	1988	1,950	172	104.7	0.471	(0.067)	1.533	(0.263)	0.289	(0.099)
	1987	1,798	160	71.5	0.510	(0.082)	1.427	(0.288)	0.383	(0.110)
CHOLEDOCHLITH NDS W DBST 57451	1989	2,986	288	191.4	0.429	(0.048)	1.618	(0.254)	0.286	(0.090)
	1988	2,944	324	136.2	0.512	(0.056)	1.424	(0.193)	0.386	(0.080)
	1987	2,899	343	89.5	0.657	(0.070)	1.259	(0.164)	0.427	(0.083)

* ESTIMATE IMPUTED

TABLE 4B
ICO-9-CM ESTIMATE AND STANDARD ERROR

ICO-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS						
					EXCESS		INITIAL		RELATIVE RISK		LONG TERM
									PERSISTENCE		
PERFORATION GALLBLADDER 5754	1989	274	73	19.4	2.140	(0.450)	1.000	(0.228)	1.002	(0.366)	
	1988	352	65	13.6	1.905	(0.397)	0.690	(0.133)	0.474	(0.178)	
	1987	337	78	19.3	2.067	(0.421)	1.072	(0.302)	0.545	(0.388)	
OIS OF GALLBLADDER NEC 5758	1989	448	44	15.0	0.436	(0.148)	1.456	(0.532)	0.587	(0.228)	
	1988	560	65	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)	
	1987	464	49	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)	
CHOLANGITIS 5761	1989	2,711	505	51.8	0.649	(0.074)	1.020	(0.147)	0.836	(0.082)	
	1988	2,793	557	19.2	0.763	(0.080)	1.006	(0.144)	0.933	(0.093)	
	1987	2,735	540	10.0	0.855	(0.095)	0.871	(0.111)	1.064	(0.093)	
OBSTRUCTION OF BILE DUCT 5762	1989	2,347	660	86.9	0.897	(0.098)	1.355	(0.174)	1.646	(0.156)	
	1988	2,377	711	107.0	1.162	(0.106)	1.304	(0.148)	1.519	(0.152)	
	1987	2,252	691	152.7	1.013	(0.115)	1.283	(0.171)	1.972	(0.172)	
ACUTE PANCREATITIS 5770	1989	22,949	2,500	625.4	0.859	(0.037)	0.879	(0.045)	0.515	(0.027)	
	1988	21,782	2,398	669.9	1.009	(0.046)	0.705	(0.038)	0.552	(0.027)	
	1987	21,214	2,366	500.8	1.094	(0.050)	0.713	(0.039)	0.579	(0.029)	
PANCREAT CYST/PSEUDOCYST 5772	1989	552	102	13.0	0.845	(0.149)	2.644	(0.782)	0.394	(0.407)	
	1988	556	111	29.8	0.800	(0.153)	3.741	(0.911)	0.163	(0.488)	
	1987	520	86	14.0	0.587	(0.142)	4.148	(2.156)	0.517	(0.639)	
MELENA 5781	1989	12,423	2,201	68.3	1.083	(0.059)	0.681	(0.045)	1.037	(0.044)	
	1988	12,032	2,019	134.2	1.141	(0.067)	0.574	(0.041)	1.016	(0.042)	
	1987	10,819	1,681	106.4	1.055	(0.066)	0.649	(0.050)	0.946	(0.045)	
GASTROINTEST HEMORR NOS 5789	1989	45,944	9,671	602.9	1.800	(0.045)	0.516	(0.016)	1.141	(0.023)	
	1988	48,029	10,287	899.8	1.996	(0.048)	0.469	(0.013)	1.151	(0.022)	
	1987	47,421	10,002	952.3	2.084	(0.050)	0.487	(0.014)	1.115	(0.023)	
ACUTE NEPHRITIS NOS 5809	1989	381	109	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)	
	1988	342	85	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)	
	1987	407	120	15.2	1.028	(0.163)	2.489	(1.058)	0.427	(0.690)	
NEPHROTIC SYNDROME NOS 5819	1989	670	115	19.5	0.484	(0.115)	2.956	(1.014)	0.922	(0.426)	
	1988	762	145	17.4	0.522	(0.115)	2.644	(1.723)	1.108	(0.620)	
	1987	745	122	12.3	0.675	(0.126)	2.506	(0.772)	0.651	(0.377)	
CHR PYELONEPHRITIS NOS 59000	1989	447	45	11.6	0.574	(0.172)	1.835	(1.107)	0.293	(0.367)	
	1988	494	60	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)	
	1987	634	81	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)	
RENAL/PERIRENAL ABSCESS 5902	1989	493	66	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)	
	1988	514	96	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)	
	1987	571	95	15.1	1.282	(0.201)	1.647	(0.364)	0.070	(0.263)	
HYDRONEPHROSIS 591	1989	1,399	218	35.4	0.333	(0.092)	1.254	(0.422)	1.171	(0.147)	
	1988	1,532	209	81.7	0.131	(0.056)	2.944	(1.490)	1.092	(0.172)	
	1987	1,457	211	38.2	0.255	(0.087)	1.599	(0.634)	1.237	(0.163)	
CYST OF KIDNEY, ACQUIRED 5932	1989	883	35	89.0	0.107	(0.090)	0.989	(0.880)	0.488	(0.125)	
	1988	1,006	37	120.6	0.169	(0.246)	0.120	(0.109)	0.513	(0.088)	
	1987	1,043	40	106.4	0.094	(0.065)	1.806	(1.401)	0.405	(0.133)	
STRICTURE OF URETER 5933	1989	836	54	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)	
	1988	859	61	53.9	0.210	(0.067)	3.764	(2.375)	0.328	(0.269)	
	1987	883	51	68.0	0.130	(0.072)	5.056	(3.786)	0.366	(0.235)	
URETERIC OBSTRUCTION NEC 5934	1989	2,226	312	93.6	0.252	(0.078)	0.931	(0.320)	1.092	(0.096)	
	1988	2,158	320	86.4	0.251	(0.058)	1.926	(0.607)	0.938	(0.124)	
	1987	2,100	317	71.9	0.248	(0.066)	2.251	(0.698)	0.992	(0.149)	
RENAL & URETERAL OIS NEC 59389	1989	651	70	23.3	0.328	(0.121)	1.745	(1.062)	0.693	(0.266)	
	1988	647	87	12.9	0.564	(0.212)	0.726	(0.312)	1.078	(0.182)	
	1987	684	61	33.9	0.287	(0.115)	1.458	(0.801)	0.656	(0.190)	
RENAL & URETERAL OIS NOS 5939	1989	1,531	339	14.0	0.888	(0.126)	1.340	(0.321)	1.213	(0.213)	
	1988	1,694	404	45.8	0.852	(0.098)	1.862	(0.434)	1.180	(0.292)	
	1987	1,928	431	21.3	1.194	(0.171)	0.946	(0.236)	1.388	(0.197)	
INTESTINOVESICAL FISTULA 5961	1989	808	163	13.7	1.162	(0.182)	1.523	(0.292)	0.851	(0.273)	
	1988	850	187	27.6	1.082	(0.164)	1.830	(0.371)	0.957	(0.324)	
	1987	806	175	27.7	1.078	(0.175)	2.101	(0.447)	0.765	(0.367)	
URIN TRACT INFECTION NOS 5990	1989	88,500	21,165	472.5	0.817	(0.015)	1.179	(0.033)	1.232	(0.023)	
	1988	89,199	21,994	552.1	0.834	(0.014)	1.205	(0.032)	1.241	(0.024)	
	1987	83,640	20,360	507.4	0.912	(0.016)	1.156	(0.031)	1.248	(0.024)	
URINARY OBSTRUCTION NOS 5996	1989	1,647	323	16.3	0.716	(0.111)	0.965	(0.210)	0.959	(0.121)	
	1988	1,804	344	40.9	0.529	(0.067)	1.690	(0.373)	0.662	(0.146)	
	1987	2,038	379	32.9	0.502	(0.076)	1.392	(0.346)	0.961	(0.139)	
MALE GEN INFLAM OIS NEC 6084	1989	682	91	19.7	0.434	(0.100)	2.069	(0.715)	0.546	(0.246)	
	1988	722	115	19.1	0.552	(0.088)	3.463	(0.974)	0.033	(0.364)	
	1987	664	95	16.5	0.489	(0.097)	3.486	(1.180)	0.148	(0.377)	
DIGEST-GENIT FISTUL, FEM 6191	1989	964	193	23.5	0.768	(0.144)	1.963	(0.452)	1.190	(0.295)	
	1988	967	181	14.4	0.556	(0.137)	1.733	(0.498)	1.302	(0.228)	
	1987	912	166	11.7	0.684	(0.167)	1.689	(0.517)	1.275	(0.281)	
RHEUMATOID LUNG 71481	1989	162	38	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)	
	1988	182	61	51.9	3.486	(0.749)	1.162	(0.276)	1.306	(0.683)	
	1987	163	44	22.5	3.061	(0.963)	0.808	(0.286)	1.801	(0.648)	
VENTRICULAR SEPT DEFECT 7454	1989	102	45	95.2	14.021	(3.399)	0.434	(0.097)	2.600	(0.975)	
	1988	122	40	66.6	8.394	(1.918)	0.556	(0.119)	0.397	(0.384)	
	1987	139	46	98.9	17.559	(4.366)	0.308	(0.068)	2.767	(0.853)	
EOEMA 7823	1989	1,332	258	22.4	0.492	(0.087)	1.726	(0.380)	1.147	(0.195)	
	1988	1,455	258	26.1	0.452	(0.086)	1.421	(0.377)	1.136	(0.167)	
	1987	1,415	270	26.7	0.465	(0.097)	1.388	(0.403)	1.454	(0.197)	
ANOREXIA 7830	1989	954	242	21.9	0.696	(0.118)	1.665	(0.410)	1.341	(0.283)	
	1988	975	262	18.6	0.859	(0.151)	1.112	(0.262)	1.576	(0.216)	
	1987	1,103	295	38.1	0.783	(0.133)	1.509	(0.436)	1.611	(0.280)	

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS					
					EXCESS		INITIAL		RELATIVE RISK	
							PERSISTENCE		LONG TERM	
A8NORMAL LOSS OF WEIGHT 7832	1989	1,216	180	23.5	0.393	(0.091)	2.128	(0.823)	1.184	(0.276)
	1988	1,414	192	49.7	0.272	(0.069)	7.231	(3.255)	0.640	(0.357)
	1987	1,670	250	39.4	0.506	(0.087)	4.511	(1.374)	0.611	(0.390)
SPEECH DISTURBANCE NEC 7845	1989	271	31	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	286	34	12.0	0.303	(0.152)	3.085	(1.565)	0.599	(0.498)
	1987	296	41	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
HYPERVENTILATION 78601	1989	308	11	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	328	15	55.0	0.027	(0.080)	2.207	(4.380)	0.458	(0.234)
	1987	391	18	58.2	0.077	(0.061)	4.326	(4.680)	0.268	(0.267)
RESPIRATORY A8NORM NEC 78609	1989	4,051	789	25.6	1.376	(0.127)	0.593	(0.065)	1.278	(0.084)
	1988	4,416	898	48.4	1.674	(0.175)	0.433	(0.058)	1.482	(0.086)
	1987	6,337	1,467	166.0	2.102	(0.148)	0.487	(0.042)	1.568	(0.075)
HEMOPTYSIS 7863	1989	2,584	436	50.7	2.380	(0.349)	0.268	(0.047)	1.193	(0.089)
	1988	3,000	538	34.2	1.781	(0.254)	0.358	(0.067)	1.303	(0.092)
	1987	3,168	524	56.4	1.968	(0.227)	0.374	(0.047)	1.109	(0.078)
CHEST SWELLING/MASS/LUMP 7866	1989	1,034	266	133.7	0.603	(0.082)	7.506	(2.191)	1.000	(.)
	1988	1,251	332	140.1	0.716	(0.131)	2.014	(0.864)	2.368	(0.481)
	1987	1,399	326	101.0	0.805	(0.102)	4.568	(1.108)	0.602	(0.447)
DYSPHAGIA 7872	1989	2,440	755	209.2	0.762	(0.093)	1.506	(0.301)	2.187	(0.204)
	1988	2,403	716	142.1	0.883	(0.094)	1.533	(0.268)	1.793	(0.199)
	1987	2,249	675	152.6	0.958	(0.104)	1.613	(0.327)	1.764	(0.230)
RETENTION OF URINE 7882	1989	5,692	707	353.5	0.318	(0.040)	1.167	(0.210)	0.750	(0.059)
	1988	6,183	806	319.3	0.448	(0.037)	1.482	(0.209)	0.493	(0.068)
	1987	6,726	910	267.5	0.472	(0.043)	1.162	(0.149)	0.693	(0.056)
OLIGURIA & ANURIA 7885	1989	90	35	25.3	5.124	(1.506)	0.463	(0.153)	1.080	(0.580)
	1988	100	40	14.3	3.068	(1.505)	0.245	(0.128)	2.635	(0.577)
	1987	119	43	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
URINARY SYS SYMPTOM NEC 7889	1989	293	81	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	390	124	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	397	113	13.7	0.815	(0.244)	1.000	(0.402)	1.916	(0.354)
ABN BLOOD CHEMISTRY NEC 7906	1989	853	169	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	866	198	19.5	2.026	(0.336)	0.611	(0.130)	1.180	(0.196)
	1987	1,021	219	15.4	1.696	(0.279)	0.686	(0.145)	1.333	(0.195)
ILL-DEFINE CONDITION NEC 7998	1989	183	147	607.9	39.560	(4.655)	0.274	(0.043)	1.791	(0.957)
	1988	222	176	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	253	202	854.9	41.597	(4.069)	0.264	(0.033)	1.198	(0.600)
UNKN CAUSE MORB/MORT NEC 7999	1989	158	31	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	138	28	29.2	5.642	(1.753)	0.534	(0.159)	0.317	(0.291)
	1987	693	136	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
79995	1989	55	30	78.3	25.796	(9.334)	0.256	(0.102)	5.326	(2.060)
79995	1988	58	29	93.9	49.470	(17.64)	0.118	(0.046)	3.453	(1.443)
79995	1987	72	37	142.4	39.719	(9.552)	0.298	(0.065)	0.604	(0.650)
FX C6 VERTEBRA-CLOSED 80506	1989	121	13	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	126	11	11.6	0.415	(0.773)	0.151	(0.183)	1.072	(0.339)
	1987	120	15	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
FRACTURE SEVEN RIBS-CLOS 80707	1989	200	24	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	239	24	11.7	0.772	(0.262)	1.171	(0.371)	0.192	(0.175)
	1987	230	17	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
FX MULT RIBS NOS-CLOSED 80709	1989	1,304	192	10.8	0.768	(0.111)	1.390	(0.269)	0.565	(0.159)
	1988	1,414	217	6.8	0.943	(0.130)	1.145	(0.196)	0.643	(0.143)
	1987	1,436	177	26.6	0.918	(0.129)	1.121	(0.195)	0.410	(0.127)
FX FEMUR INTRCAPS NOS-CL 82000	1989	3,702	482	96.8	0.495	(0.047)	1.655	(0.218)	0.556	(0.096)
	1988	4,018	535	123.8	0.507	(0.039)	2.134	(0.276)	0.276	(0.112)
	1987	3,860	560	61.2	0.538	(0.050)	1.718	(0.233)	0.658	(0.106)
FX UP FEMUR EPIPHY-CLOS 82001	1989	419	69	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	406	58	11.5	0.551	(0.126)	1.967	(0.632)	0.289	(0.299)
	1987	381	53	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
FX FEMUR, MIOCERVIC-CLOS 82002	1989	3,405	462	111.3	0.366	(0.049)	1.509	(0.294)	0.864	(0.103)
	1988	3,697	539	72.9	0.536	(0.051)	1.582	(0.226)	0.620	(0.103)
	1987	3,619	509	49.8	0.564	(0.061)	1.458	(0.265)	0.721	(0.119)
FX BASE FEMORAL NCK-CLOS 82003	1989	3,921	636	55.1	0.565	(0.050)	1.536	(0.196)	0.742	(0.101)
	1988	3,949	678	41.4	0.614	(0.052)	1.526	(0.192)	0.737	(0.104)
	1987	3,686	617	38.1	0.659	(0.054)	1.694	(0.206)	0.589	(0.110)
FX FEMUR INTRCAPS NEC-CL 82009	1989	40,588	5,592	1045.7	0.456	(0.014)	1.727	(0.079)	0.636	(0.032)
	1988	40,672	5,643	1050.8	0.482	(0.013)	1.809	(0.080)	0.537	(0.033)
	1987	38,029	5,475	566.8	0.551	(0.016)	1.705	(0.085)	0.622	(0.038)
TROCHANTERIC FX NOS-CLOS 82020	1989	3,782	511	142.4	0.374	(0.045)	1.539	(0.288)	0.758	(0.099)
	1988	4,079	581	127.5	0.420	(0.047)	1.344	(0.209)	0.845	(0.088)
	1987	4,030	549	115.2	0.416	(0.047)	1.647	(0.398)	0.715	(0.136)
INTERTROCHANTERIC FX-CL 82021	1989	69,730	11,391	1006.7	0.596	(0.012)	1.545	(0.044)	0.651	(0.023)
	1988	70,317	11,797	976.2	0.603	(0.012)	1.579	(0.046)	0.636	(0.024)
	1987	67,317	11,124	628.0	0.673	(0.014)	1.482	(0.044)	0.655	(0.024)
SUBTROCHANTERIC FX-CLOSE 82022	1989	4,707	768	37.5	0.661	(0.056)	1.308	(0.152)	0.805	(0.084)
	1988	4,831	737	72.3	0.612	(0.048)	1.456	(0.172)	0.622	(0.089)
	1987	4,679	746	25.0	0.772	(0.063)	1.261	(0.146)	0.720	(0.088)
FX NECK OF FEMUR NOS-CL 8208	1989	25,963	3,820	359.8	0.618	(0.022)	1.399	(0.070)	0.660	(0.036)
	1988	25,566	3,993	273.2	0.646	(0.022)	1.457	(0.073)	0.661	(0.039)
	1987	24,297	3,794	125.7	0.777	(0.029)	1.208	(0.062)	0.753	(0.038)
FX FEMUR NOS-CLOSED 82100	1989	1,395	276	2.3	1.101	(0.138)	1.077	(0.156)	0.893	(0.141)
	1988	1,409	266	0.1	1.018	(0.145)	0.944	(0.167)	1.027	(0.148)
	1987	1,379	268	4.4	0.866	(0.116)	1.396	(0.262)	0.914	(0.187)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

AVERAGE RISK DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	INITIAL		RELATIVE RISK		LONG TERM	
					EXCESS		PERSISTENCE			
FX FEMUR SHAFT-CLOSED 82101	1989	3,602	543	53.7	0.539	(0.054)	1.533	(0.227)	0.754	(0.108)
	1988	3,470	572	22.6	0.706	(0.060)	1.541	(0.198)	0.652	(0.122)
	1987	3,511	571	30.1	0.713	(0.058)	1.783	(0.227)	0.509	(0.121)
FX LDM END FEMUR NOS-CL 82120	1989	1,907	297	16.5	0.592	(0.084)	1.408	(0.297)	0.901	(0.153)
	1988	1,952	311	10.2	0.741	(0.094)	1.309	(0.255)	0.732	(0.152)
	1987	1,859	299	12.4	0.715	(0.084)	1.585	(0.291)	0.612	(0.160)
FX FEMORAL CONDYLE-CLDSE 82121	1989	1,352	140	52.2	0.404	(0.078)	1.714	(0.501)	0.494	(0.159)
	1988	1,385	124	82.6	0.367	(0.087)	1.215	(0.417)	0.553	(0.128)
	1987	1,254	121	64.0	0.320	(0.065)	3.068	(0.863)	0.275	(0.243)
SUPRACONDYL FX FEMUR-CL 82123	1989	3,870	499	86.0	0.464	(0.052)	1.546	(0.270)	0.716	(0.104)
	1988	3,817	527	82.0	0.465	(0.046)	1.828	(0.289)	0.661	(0.121)
	1987	3,706	494	79.4	0.468	(0.042)	2.486	(0.431)	0.414	(0.155)
TRAUM PNEUMOTHORAX-CLOSE 8600	1989	1,601	205	15.6	1.090	(0.170)	0.790	(0.144)	0.723	(0.118)
	1988	1,521	181	25.4	1.111	(0.212)	0.608	(0.140)	0.780	(0.121)
	1987	1,389	197	14.3	1.592	(0.265)	0.560	(0.100)	0.908	(0.121)
TRAUM HEMOTHORAX-CLOSED 8602	1989	584	81	13.5	1.448	(0.299)	0.691	(0.131)	0.559	(0.146)
	1988	499	85	45.6*	0.977	(0.022)	1.144	(0.035)	0.932	(0.026)
	1987	472	65	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
TRAUM PNEUMOHOMOTHOR-CL 8604	1989	507	71	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	504	90	13.9	1.594	(0.283)	1.099	(0.223)	0.346	(0.227)
	1987	465	65	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
GI INJURY NEC-CLOSED 86389	1989	86	22	16.2	4.494	(2.059)	0.636	(0.379)	0.662	(0.812)
	1988	90	21	39.4	12.318	(4.118)	0.225	(0.061)	0.506	(0.360)
	1987	71	16	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
SPLEEN HEMATOMA-CLOSED 86501	1989	83	14	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	87	6	13.2	2.608	(1.698)	0.231	(0.114)	0.191	(0.190)
	1987	86	8	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
SPLEEN CAPSULAR TEAR 86502	1989	74	17	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	63	18	21.5	8.407	(3.349)	0.412	(0.140)	1.149	(0.688)
	1987	55	11	18.2	10.887	(5.031)	0.296	(0.111)	0.509	(0.506)
SPLEEN DISRUPTION-CLOS 86504	1989	371	66	39.5	7.506	(2.437)	0.182	(0.066)	1.098	(0.267)
	1988	341	74	52.1	4.580	(0.908)	0.531	(0.098)	0.641	(0.238)
	1987	296	76	67.9	10.521	(3.060)	0.195	(0.063)	2.255	(0.441)
KIDNEY HEMATOMA-CLOSED 86601	1989	289	12	40.2	0.345	(0.258)	0.487	(0.344)	0.342	(0.146)
	1988	315	15	32.5	0.305	(0.163)	1.245	(0.705)	0.230	(0.154)
	1987	326	17	33.6	0.435	(0.243)	0.708	(0.360)	0.332	(0.139)
BLADDER/URETHRA INJ-CLOS 8670	1989	480	110	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	533	129	18.2	0.428	(0.111)	2.572	(1.079)	1.058	(0.425)
	1987	504	124	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
FOREIGN BODY IN TRACHEA 9340	1989	188	78	70.9	5.743	(1.171)	0.478	(0.095)	2.031	(0.482)
	1988	169	58	52.6	5.388	(1.328)	0.582	(0.173)	1.018	(0.547)
	1987	166	76	58.4	5.378	(1.237)	0.468	(0.121)	1.822	(0.466)
FOREIGN BODY BRONCHUS 9341	1989	171	41	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	185	41	11.5	3.111	(1.021)	0.443	(0.120)	1.573	(0.395)
	1987	219	44	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
3RD DEG BURN TRUNK NEC 94239	1989	59	27	44.1	8.020	(4.300)	0.654	(0.601)	3.645	(3.053)
	1988	40	13	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	34	10	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
POISONING-ANTICOAGULANTS 9642	1989	269	22	33.8	0.295	(0.365)	0.237	(0.233)	0.749	(0.180)
	1988	261	31	17.3	1.790	(0.613)	0.416	(0.125)	0.470	(0.171)
	1987	260	39	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
POIS-AROM ANALGESICS NEC 9654	1989	292	38	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	298	36	16.7	3.106	(0.946)	0.420	(0.125)	0.548	(0.230)
	1987	272	26	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
POIS-SEDATIVE/HYPNOT NEC 9678	1989	240	19	17.5	0.390	(0.446)	0.341	(0.374)	0.849	(0.236)
	1988	290	23	17.2	0.321	(0.209)	0.888	(0.568)	0.723	(0.256)
	1987	271	31	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
POIS-SEDATIVE/HYPNOT NOS 9679	1989	204	22	14.9	0.178	(0.276)	0.492	(0.620)	1.217	(0.294)
	1988	260	30	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	279	32	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
POISONING-CARDIOTONICS 9721	1989	1,974	413	49.4	0.549	(0.081)	0.934	(0.177)	1.198	(0.112)
	1988	2,384	463	73.0	0.489	(0.070)	1.048	(0.238)	1.084	(0.123)
	1987	2,435	471	62.5	0.634	(0.096)	0.715	(0.152)	1.182	(0.101)
POIS-PURINE DIURETICS 9741	1989	600	133	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	714	148	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	684	158	11.9	1.537	(0.349)	0.489	(0.127)	1.555	(0.197)
POISONING-ANTIASTHMATICS 9757	1989	386	77	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	357	77	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	304	64	17.1	0.410	(0.124)	7.585	(4.254)	0.337	(0.589)
TOXIC EFF GAS/VAPOR NOS 9879	1989	502	75	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	658	78	18.5	0.629	(0.120)	1.736	(0.448)	0.199	(0.208)
	1987	635	79	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
TOXIC EFFECT VENOM 9895	1989	746	19	123.3	1.282	(2.562)	0.012	(0.019)	0.360	(0.085)
	1988	795	10	151.9	0.315	(0.153)	0.490	(0.177)	0.027	(0.027)
	1987	916	14	160.3	0.161	(0.139)	0.334	(0.250)	0.176	(0.058)
MALFUNC VASC DEVICE/GRAF 9961	1989	4,296	676	94.8	0.439	(0.063)	1.284	(0.372)	0.993	(0.114)
	1988	4,146	670	97.2	0.484	(0.061)	1.202	(0.266)	0.898	(0.091)
	1987	3,791	585	53.5	0.597	(0.075)	0.965	(0.171)	0.995	(0.084)
MALFUNC URETHRAL CATH 99631	1989	269	59	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	262	57	24.3	0.205	(0.125)	6.117	(5.006)	0.849	(0.525)
	1987	256	67	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	AVERAGE RISK DISORDERS					
					EXCESS		INITIAL RELATIVE RISK PERSISTENCE		LONG TERM	
MALFUNC GU DEV/GRAFT NEC 99639	1989	1,249	83	113.7	0.009	(0.054)	3.171	(6.761)	0.783	(0.153)
	1988	1,162	75	100.5	0.058	(0.094)	0.642	(0.706)	0.755	(0.106)
	1987	960	87	31.3	0.257	(0.126)	1.301	(0.611)	0.870	(0.169)
INFEC/INFLAM-DEVIC/GRAFT 9966	1989	11,587	1,889	176.3	0.469	(0.030)	1.798	(0.182)	0.906	(0.067)
	1988	10,816	1,730	146.8	0.501	(0.030)	1.985	(0.233)	0.737	(0.075)
	1987	10,329	1,582	102.1	0.532	(0.034)	1.954	(0.275)	0.759	(0.089)
SURG COMPL-HEART 9971	1989	2,173	197	154.5	0.669	(0.125)	0.561	(0.116)	0.576	(0.070)
	1988	2,012	165	209.9	1.042	(0.210)	0.295	(0.060)	0.528	(0.061)
	1987	1,899	167	118.4	0.579	(0.165)	0.578	(0.238)	0.643	(0.098)
SURG CDMP-PERI VASC SYST 9972	1989	1,215	66	167.2	0.234	(0.070)	1.214	(0.492)	0.286	(0.103)
	1988	1,013	64	109.6	0.294	(0.086)	1.222	(0.424)	0.327	(0.109)
	1987	901	56	92.7	0.521	(0.197)	0.543	(0.258)	0.409	(0.102)
SURG COMPLIC-RESPIR SYST 9973	1989	2,278	406	66.5	0.449	(0.098)	0.843	(0.304)	1.074	(0.098)
	1988	1,930	330	77.0	0.518	(0.172)	0.559	(0.303)	1.007	(0.093)
	1987	1,764	316	39.0	0.404	(0.081)	1.450	(0.467)	0.960	(0.131)
SURG COMPLIC-GI TRACT 9974	1989	4,636	682	95.0	0.459	(0.045)	1.823	(0.285)	0.724	(0.103)
	1988	3,866	548	54.4	0.609	(0.076)	0.969	(0.160)	0.940	(0.085)
	1987	3,630	561	22.1	0.622	(0.071)	1.348	(0.213)	0.947	(0.108)
SURG COMPL-URINARY TRACT 9975	1989	3,105	224	280.2	0.276	(0.062)	0.945	(0.262)	0.524	(0.062)
	1988	2,973	212	317.4	0.313	(0.066)	0.938	(0.314)	0.429	(0.070)
	1987	2,893	234	271.6	0.267	(0.048)	1.533	(0.425)	0.417	(0.083)
INFECTION AMPUTAT STUMP 99762	1989	1,820	377	26.2	0.670	(0.088)	1.912	(0.449)	1.102	(0.245)
	1988	1,824	362	14.8	0.723	(0.100)	1.522	(0.362)	1.173	(0.211)
	1987	1,819	367	30.5	0.714	(0.079)	3.106	(0.713)	0.468	(0.289)
LATE AMPUTAT COMPLIC NEC 99769	1989	788	117	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	799	136	45.6*	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	766	108	21.2	0.503	(0.113)	6.601	(2.823)	0.102	(0.414)
ACCIDENTAL DP LACERATION 9982	1989	1,293	168	34.3	0.892	(0.138)	0.991	(0.176)	0.481	(0.108)
	1988	1,164	179	16.1	0.896	(0.215)	0.577	(0.166)	1.045	(0.122)
	1987	1,030	131	32.3	1.365	(0.375)	0.324	(0.097)	0.899	(0.110)
INFEC COMPL MED CARE NEC 9993	1989	309	66	11.4	0.463	(0.301)	0.592	(0.346)	1.520	(0.242)
	1988	278	61	11.6	0.321	(0.198)	0.937	(0.794)	1.238	(0.265)
	1987	254	55	56.8*	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)
SERUM REACTION NEC 9995	1989	93	3	77.7*	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	117	7	16.7	0.987	(1.594)	0.075	(0.083)	0.566	(0.231)
	1987	114	4	15.8	0.197	(0.282)	0.958	(1.484)	0.259	(0.224)
TRANSFUSION REACTION NEC 9998	1989	321	113	19.0	0.373	(0.144)	2.532	(1.233)	1.460	(0.377)
	1988	318	97	26.1	0.269	(0.146)	2.572	(1.569)	1.875	(0.431)
	1987	319	98	19.9	0.228	(0.188)	1.216	(1.938)	1.930	(0.372)
* ESTIMATE IMPUTED										
UNSPECIFIED CODES										
(USED TO IMPUTE ESTIMATES)										
	1989	63,465	11,409	77.7	0.925	(0.021)	1.164	(0.037)	1.053	(0.026)
	1988	57,711	10,351	45.6	0.977	(0.022)	1.144	(0.035)	0.992	(0.026)
	1987	65,753	11,341	56.8	1.059	(0.023)	1.093	(0.033)	0.971	(0.025)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

MODERATELY SEVERE DISORDERS: CARDIOPULMONARY AND CIRCULATORY DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL		PERSISTENCE		LONG TERM	
					EXCESS					
RHEUMATIC HEART FAILURE 39891	1989	1,007	350	46.0	0.842	(0.104)	1.524	(0.261)	1.507	(0.221)
	1988	995	327	33.8	0.731	(0.093)	1.690	(0.330)	1.306	(0.236)
	1987	966	350	51.0	0.920	(0.109)	1.491	(0.232)	1.518	(0.216)
ACUTE COR PULMONALE 4150	1989	1,426	468	56.4	0.981	(0.110)	1.335	(0.215)	1.524	(0.185)
	1988	1,399	490	67.8	1.162	(0.113)	1.287	(0.154)	1.452	(0.164)
	1987	1,638	580	86.3	1.405	(0.122)	1.132	(0.116)	1.409	(0.143)
PULMON EMBOLISM/INFARCT 4151	1989	18,159	3,969	1055.1	1.900	(0.064)	0.443	(0.016)	0.668	(0.022)
	1988	18,372	4,086	1021.0	1.801	(0.060)	0.454	(0.016)	0.681	(0.022)
	1987	18,663	4,157	1073.9	1.749	(0.058)	0.452	(0.016)	0.680	(0.021)
PRIM PULM HYPERTENSION 4160	1989	662	172	15.6*	1.135	(0.108)	0.955	(0.119)	1.273	(0.114)
	1988	719	196	13.3	1.260	(0.191)	1.185	(0.225)	1.031	(0.209)
	1987	666	202	24.3	1.224	(0.186)	1.243	(0.239)	1.338	(0.247)
CHR PULMON HEART DIS NEC 4168	1989	244	71	15.6*	1.135	(0.108)	0.955	(0.119)	1.273	(0.114)
	1988	242	76	0.5*	0.979	(0.113)	1.041	(0.139)	1.045	(0.126)
	1987	295	102	31.9	0.906	(0.145)	3.202	(1.274)	0.377	(1.064)
CHR PULMON HEART DIS NOS 4169	1989	1,309	423	44.9	1.129	(0.141)	1.026	(0.173)	1.665	(0.177)
	1988	1,513	485	49.9	0.944	(0.109)	1.101	(0.154)	1.694	(0.152)
	1987	2,176	755	90.1	1.091	(0.094)	1.200	(0.137)	1.567	(0.135)
PRIM CARDIOMYOPATHY NEC 4254	1989	12,013	4,091	299.9	1.365	(0.044)	1.040	(0.042)	1.184	(0.048)
	1988	12,039	4,211	286.6	1.251	(0.039)	1.138	(0.043)	1.155	(0.047)
	1987	12,243	4,375	288.9	1.240	(0.039)	1.118	(0.043)	1.204	(0.047)
CONDUCTION DISORDER NEC 42689	1989	461	95	108.5	6.857	(1.537)	0.110	(0.024)	0.679	(0.123)
	1988	503	92	82.3	3.244	(0.693)	0.193	(0.039)	0.580	(0.108)
	1987	517	112	50.3	2.697	(0.571)	0.239	(0.051)	0.755	(0.123)
CONGESTIVE HEART FAILURE 4280	1989	288,799	89,753	2046.1	0.758	(0.006)	1.117	(0.012)	1.180	(0.009)
	1988	284,017	91,470	1853.9	0.774	(0.006)	1.109	(0.012)	1.172	(0.009)
	1987	270,851	89,161	1613.9	0.793	(0.006)	1.093	(0.011)	1.176	(0.009)
LEFT HEART FAILURE 4281	1989	12,720	3,887	45.6	1.124	(0.044)	0.738	(0.036)	1.169	(0.038)
	1988	15,109	4,866	49.6	1.130	(0.039)	0.755	(0.032)	1.191	(0.035)
	1987	17,238	5,655	35.4	1.106	(0.034)	0.811	(0.029)	1.117	(0.031)
HEART FAILURE NOS 4289	1989	516	279	276.0	6.414	(0.699)	0.403	(0.050)	1.617	(0.258)
	1988	595	318	257.3	5.586	(0.581)	0.391	(0.045)	1.734	(0.228)
	1987	690	349	230.5	4.794	(0.473)	0.415	(0.045)	1.378	(0.178)
HEART DISEASE NOS 4299	1989	292	91	15.6*	1.135	(0.108)	0.955	(0.119)	1.273	(0.114)
	1988	373	94	12.3	1.808	(0.431)	0.430	(0.111)	1.033	(0.189)
	1987	468	131	4.0*	0.830	(0.081)	1.150	(0.155)	0.952	(0.110)
SUBDURAL HEMORRHAGE 4321	1989	4,729	1,391	70.6	1.292	(0.064)	1.056	(0.061)	0.657	(0.057)
	1988	4,547	1,374	82.8	1.230	(0.060)	1.138	(0.066)	0.561	(0.057)
	1987	4,458	1,365	75.3	1.139	(0.055)	1.231	(0.068)	0.548	(0.056)
CEREBRAL THROMBOSIS 4340	1989	20,794	6,137	203.0	1.233	(0.031)	1.090	(0.032)	0.871	(0.032)
	1988	23,850	7,444	250.5	1.184	(0.027)	1.144	(0.031)	0.889	(0.030)
	1987	26,039	8,173	232.2	1.150	(0.025)	1.155	(0.029)	0.881	(0.029)
CEREBRAL EMBOLISM 4341	1989	15,023	3,832	35.8	0.900	(0.030)	1.181	(0.048)	0.793	(0.036)
	1988	14,691	3,949	24.9	0.926	(0.030)	1.125	(0.042)	0.834	(0.034)
	1987	15,530	4,090	69.1	0.853	(0.027)	1.197	(0.043)	0.760	(0.033)
CEREBR ARTERY OCCLUS NOS 4349	1989	110,085	30,005	486.9	0.961	(0.011)	1.292	(0.018)	0.832	(0.015)
	1988	106,182	30,261	409.4	0.950	(0.011)	1.268	(0.018)	0.886	(0.015)
	1987	96,578	27,774	450.2	0.928	(0.011)	1.312	(0.019)	0.839	(0.015)
CVA 436	1989	66,097	20,729	1527.7	1.611	(0.022)	0.861	(0.014)	0.974	(0.018)
	1988	69,384	22,594	1654.7	1.631	(0.022)	0.831	(0.013)	1.001	(0.017)
	1987	73,248	24,283	1710.4	1.605	(0.021)	0.845	(0.013)	1.008	(0.017)
THORACIC AORTIC ANEURYSM 4412	1989	1,452	425	41.0	1.728	(0.185)	0.785	(0.097)	1.305	(0.138)
	1988	1,530	461	32.0	1.518	(0.167)	0.906	(0.133)	1.162	(0.144)
	1987	1,427	462	72.7	1.933	(0.178)	0.851	(0.088)	1.112	(0.131)
ILIAC ARTERY ANEURYSM 4422	1989	674	183	67.6	3.052	(0.415)	0.523	(0.073)	0.720	(0.142)
	1988	615	159	69.9	3.085	(0.443)	0.482	(0.068)	0.573	(0.121)
	1987	622	156	62.9	2.345	(0.324)	0.662	(0.093)	0.352	(0.109)
PORTAL VEIN THROMBOSIS 452	1989	106	44	13.5	2.856	(0.909)	0.616	(0.249)	1.201	(0.498)
	1988	100	61	60.4	4.015	(0.823)	1.002	(0.250)	1.002	(0.676)
	1987	105	53	37.7	5.114	(1.749)	0.443	(0.204)	1.345	(0.613)
HYPOTENSION NOS 4589	1989	5,821	1,219	293.7	1.653	(0.131)	0.324	(0.031)	0.918	(0.044)
	1988	5,467	1,122	401.8	1.751	(0.144)	0.274	(0.026)	0.860	(0.041)
	1987	5,216	1,111	438.1	2.256	(0.180)	0.234	(0.021)	0.859	(0.042)
HEMORRHAGE NOS 4590	1989	871	219	32.0	2.198	(0.422)	0.391	(0.097)	0.949	(0.138)
	1988	923	209	61.7	2.532	(0.485)	0.260	(0.060)	0.904	(0.113)
	1987	999	245	52.7	2.573	(0.751)	0.253	(0.106)	1.031	(0.159)
COMPRESSION OF VEIN 4592	1989	511	276	75.5	1.019	(0.148)	1.573	(0.350)	1.956	(0.358)
	1988	507	245	28.4	0.933	(0.151)	1.274	(0.298)	1.650	(0.272)
	1987	465	216	34.3	0.683	(0.144)	1.247	(0.352)	2.028	(0.304)
PNEUMOCOCCAL PNEUMONIA 481	1989	20,145	4,412	433.9	0.884	(0.028)	0.913	(0.032)	0.670	(0.024)
	1988	18,217	4,134	424.3	0.863	(0.028)	0.932	(0.035)	0.658	(0.025)
	1987	17,184	4,064	350.4	0.910	(0.030)	0.913	(0.034)	0.672	(0.026)
STREPTOCOCCAL PNEUMONIA 4823	1989	12,279	2,638	272.1	0.742	(0.030)	1.117	(0.053)	0.631	(0.033)
	1988	12,747	2,916	240.6	0.810	(0.030)	1.048	(0.044)	0.653	(0.031)
	1987	11,184	2,514	281.6	0.725	(0.030)	1.064	(0.053)	0.675	(0.034)
BACTERIAL PNEUMONIA NOS 4829	1989	4,810	1,257	17.9	0.999	(0.060)	0.972	(0.073)	0.814	(0.061)
	1988	4,242	1,172	21.9	0.966	(0.056)	1.066	(0.074)	0.732	(0.061)
	1987	3,780	1,090	8.5	0.950	(0.059)	1.033	(0.075)	0.845	(0.066)
BRONCOPNEUMONIA ORG NOS 485	1989	19,902	5,506	130.0	1.201	(0.033)	0.872	(0.028)	0.799	(0.028)
	1988	20,764	5,901	160.9	1.205	(0.031)	0.862	(0.025)	0.783	(0.026)
	1987	20,549	5,933	189.0	1.218	(0.031)	0.870	(0.025)	0.753	(0.026)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

MODERATELY SEVERE DISORDERS: CARDIOPULMONARY AND CIRCULATORY DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
PNEUMONIA, ORGANISM NOS 486	1989	203,078	58,466	741.0	1.162	(0.010)	0.859	(0.009)	0.887	(0.009)
	1988	194,801	57,863	748.0	1.149	(0.010)	0.871	(0.009)	0.873	(0.009)
	1987	170,794	50,616	667.6	1.132	(0.011)	0.850	(0.010)	0.894	(0.010)
ASBESTOSIS 501	1989	131	38	15.6*	1.135	(0.108)	0.955	(0.119)	1.273	(0.114)
	1988	155	53	13.9	0.643	(0.143)	3.963	(1.528)	0.038	(0.830)
	1987	130	33	4.0*	0.830	(0.081)	1.150	(0.155)	0.952	(0.110)
SILICA PNEUMOCN NEC 502	1989	81	33	12.8	1.741	(0.520)	1.656	(0.749)	0.629	(0.900)
	1988	79	25	0.5*	0.979	(0.113)	1.041	(0.139)	1.045	(0.126)
	1987	119	44	16.5	0.626	(0.235)	2.420	(1.438)	1.857	(0.962)
EMPYEMA W/D FISTULA 5109	1989	1,361	409	31.1	0.811	(0.074)	2.021	(0.303)	0.543	(0.176)
	1988	1,267	426	51.9	0.909	(0.075)	2.096	(0.267)	0.402	(0.163)
	1987	1,233	385	10.5	0.863	(0.088)	1.491	(0.207)	0.812	(0.142)
BACT PLEUR/EFFUS NOT TB 5111	1989	333	120	18.9	0.752	(0.115)	2.678	(0.739)	0.423	(0.519)
	1988	295	119	32.5	0.701	(0.118)	2.891	(0.796)	0.720	(0.520)
	1987	326	110	4.0*	0.830	(0.081)	1.150	(0.155)	0.952	(0.110)
PLEURAL EFFUS NEC NOT TB 5118	1989	1,300	441	18.2	0.654	(0.071)	1.728	(0.362)	0.944	(0.204)
	1988	1,203	425	28.9	0.597	(0.068)	1.717	(0.295)	1.089	(0.167)
	1987	1,176	411	13.1	0.712	(0.077)	1.424	(0.210)	1.049	(0.152)
PLEURAL EFFUSION NOS 5119	1989	9,959	3,908	366.3	0.613	(0.024)	1.753	(0.120)	1.303	(0.071)
	1988	9,381	3,593	310.5	0.594	(0.024)	1.686	(0.109)	1.279	(0.065)
	1987	9,535	3,616	396.1	0.537	(0.020)	2.138	(0.148)	1.071	(0.077)
SPONT PNEUMOTHORAX NEC 5128	1989	4,749	1,046	107.3	0.552	(0.040)	1.383	(0.132)	0.798	(0.065)
	1988	4,792	1,062	119.4	0.539	(0.036)	1.550	(0.150)	0.699	(0.070)
	1987	4,723	1,030	166.6	0.540	(0.034)	1.589	(0.128)	0.565	(0.058)
ABSCESS OF LUNG 5130	1989	1,499	499	51.5	0.879	(0.074)	2.130	(0.337)	0.679	(0.218)
	1988	1,484	535	76.2	0.864	(0.075)	1.975	(0.285)	1.076	(0.212)
	1987	1,545	546	62.7	0.902	(0.073)	1.960	(0.256)	0.827	(0.184)
PULM CONGEST/HYPOSTASIS 514	1989	2,956	1,001	67.3	1.831	(0.143)	0.510	(0.048)	1.293	(0.079)
	1988	3,508	1,211	26.4	1.413	(0.099)	0.704	(0.064)	1.201	(0.077)
	1987	4,560	1,663	70.8	1.574	(0.091)	0.626	(0.044)	1.282	(0.064)
POSTINFLAM PULM FIBROSIS 515	1989	3,723	1,113	95.2	0.930	(0.059)	1.580	(0.145)	1.109	(0.116)
	1988	3,919	1,163	64.1	0.874	(0.057)	1.429	(0.124)	1.178	(0.094)
	1987	4,097	1,235	91.6	0.864	(0.049)	1.794	(0.160)	0.854	(0.112)
PULMONARY COLLAPSE 5180	1989	1,249	337	2.0	0.898	(0.112)	0.983	(0.138)	1.125	(0.130)
	1988	1,368	341	34.6	0.507	(0.062)	1.720	(0.270)	0.903	(0.151)
	1987	1,475	350	23.9	0.606	(0.069)	1.487	(0.247)	0.746	(0.137)
INTERSTITIAL EMPHYSEMA 5181	1989	117	44	15.6*	1.135	(0.108)	0.955	(0.119)	1.273	(0.114)
	1988	117	50	14.1	1.787	(0.457)	1.233	(0.389)	1.107	(0.573)
	1987	48	13	4.0*	0.830	(0.081)	1.150	(0.155)	0.952	(0.110)
ACUTE LUNG EDEMA NOS 5184	1989	7,199	2,257	233.3	2.212	(0.120)	0.392	(0.025)	1.279	(0.049)
	1988	8,373	2,658	226.7	1.965	(0.101)	0.399	(0.025)	1.319	(0.045)
	1987	9,073	2,907	177.1	1.701	(0.076)	0.514	(0.027)	1.131	(0.041)
* ESTIMATE IMPUTED										
UNSPECIFIED CODES										
(USED TO IMPUTE ESTIMATES)										
	1989	2,265	640	15.6	1.135	(0.108)	0.955	(0.119)	1.273	(0.114)
	1988	1,236	349	0.5	0.979	(0.113)	1.041	(0.139)	1.045	(0.126)
	1987	1,989	558	4.0	0.830	(0.081)	1.150	(0.155)	0.952	(0.110)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERRDR

MODERATELY SEVERE DISORDERS: GASTROINTESTINAL AND ENDOCRINE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL		PERSISTENCE		LONG TERM	
					EXCESS					
MONDCLDN PARAPRDEINEMIA 2731	1989	85	15	18.5	0.151	(0.127)	2.019	(2.044)	0.878	(0.703)
	1988	100	19	21.5	0.250	(0.175)	0.768	(0.438)	1.146	(0.394)
	1987	92	14	16.5	0.105	(0.120)	1.566	(1.785)	1.193	(0.508)
MACRDGLDBULINEMIA 2733	1989	263	100	19.6	0.491	(0.134)	1.763	(0.769)	2.039	(0.597)
	1988	298	108	12.7	0.535	(0.124)	1.565	(0.517)	1.655	(0.518)
	1987	298	112	0.6*	1.010	(0.079)	1.022	(0.101)	0.908	(0.124)
DIS PLAS PRDTEIN MET NEC 2738	1989	182	80	26.4	0.512	(0.153)	2.006	(1.133)	2.568	(0.798)
	1988	164	61	7.8*	0.807	(0.084)	1.111	(0.145)	0.855	(0.138)
	1987	201	80	11.7	0.812	(0.200)	1.360	(0.394)	2.113	(0.680)
HYPOVDLEMIA 2765	1989	85,701	30,954	20.0	0.994	(0.011)	1.028	(0.016)	1.032	(0.018)
	1988	87,023	31,449	20.3	0.996	(0.011)	1.024	(0.016)	1.035	(0.018)
	1987	79,866	29,018	23.7	0.992	(0.011)	1.024	(0.017)	1.046	(0.018)
AMYLIDDDISIS 2773	1989	349	169	51.2	0.965	(0.212)	0.869	(0.275)	3.401	(0.534)
	1988	382	168	36.5	0.916	(0.179)	1.122	(0.335)	2.577	(0.480)
	1987	377	164	39.5	0.974	(0.162)	1.465	(0.363)	2.188	(0.557)
PERFDRATION DF ESOPHAGUS 5304	1989	311	120	22.8	1.677	(0.244)	1.130	(0.188)	0.775	(0.370)
	1988	289	107	28.5	1.624	(0.232)	1.425	(0.211)	0.280	(0.259)
	1987	292	112	33.6	1.887	(0.274)	1.241	(0.213)	0.343	(0.301)
ESDPHAGEAL DISORDER NEC 5308	1989	905	188	36.6	0.737	(0.106)	0.919	(0.167)	0.625	(0.124)
	1988	998	197	52.1	0.669	(0.087)	1.094	(0.177)	0.455	(0.111)
	1987	1,009	227	29.0	0.911	(0.117)	0.871	(0.144)	0.601	(0.114)
UNIL FEMDRAL HERN W GANG 55100	1989	470	72	29.1	0.603	(0.132)	1.220	(0.303)	0.337	(0.151)
	1988	437	66	39.8	0.598	(0.155)	1.142	(0.432)	0.274	(0.187)
	1987	417	67	28.7	0.618	(0.124)	1.366	(0.305)	0.223	(0.150)
GANGR VENTRAL HERNIA NDS 55120	1989	132	31	5.4*	0.957	(0.089)	1.090	(0.122)	0.699	(0.134)
	1988	121	35	14.5	2.353	(0.604)	0.875	(0.213)	0.175	(0.241)
	1987	121	32	0.6*	1.010	(0.079)	1.022	(0.101)	0.908	(0.124)
TDXIC GASTRDENTERITIS 5582	1989	637	93	142.0	0.231	(0.049)	1.904	(0.852)	0.339	(0.213)
	1988	501	77	77.8	0.352	(0.070)	1.481	(0.379)	0.298	(0.153)
	1987	475	68	76.1	0.313	(0.064)	1.965	(0.543)	0.179	(0.143)
INTUSSUSCEPTIDN 5600	1989	146	21	20.9	0.303	(0.141)	1.361	(0.877)	0.531	(0.326)
	1988	176	19	48.9	0.372	(0.151)	1.073	(0.576)	0.027	(0.140)
	1987	176	23	38.1	0.577	(0.249)	0.456	(0.191)	0.548	(0.214)
VOLVULUS OF INTESTINE 5602	1989	3,986	1,013	19.1	1.022	(0.066)	0.855	(0.066)	0.899	(0.075)
	1988	3,888	1,039	17.2	1.125	(0.073)	0.803	(0.062)	0.935	(0.075)
	1987	3,744	1,011	6.8	1.052	(0.068)	0.942	(0.072)	0.874	(0.072)
INTESTINAL DBSTRUCT NEC 56089	1989	4,374	1,294	148.3	0.747	(0.033)	1.223	(0.070)	0.388	(0.058)
	1988	3,942	1,258	131.8	0.701	(0.032)	1.400	(0.089)	0.402	(0.064)
	1987	3,563	1,081	143.1	0.685	(0.034)	1.324	(0.089)	0.420	(0.064)
SUPPURAT PERITDNITIS NEC 5672	1989	3,197	979	12.7	1.104	(0.065)	1.105	(0.090)	0.881	(0.110)
	1988	3,374	1,046	4.7	1.056	(0.060)	1.071	(0.084)	0.907	(0.110)
	1987	3,275	982	3.7	0.966	(0.058)	1.163	(0.104)	0.814	(0.115)
PERITDNITIS NEC 5678	1989	332	110	11.7	1.920	(0.384)	0.503	(0.114)	1.467	(0.295)
	1988	304	90	20.4	2.567	(0.540)	0.374	(0.083)	1.496	(0.304)
	1987	322	110	0.6*	1.010	(0.079)	1.022	(0.101)	0.908	(0.124)
PERITDNITIS NDS 5679	1989	822	331	200.5	4.710	(0.476)	0.320	(0.035)	1.410	(0.190)
	1988	823	333	170.9	4.552	(0.559)	0.324	(0.053)	1.793	(0.256)
	1987	871	341	162.1	3.840	(0.402)	0.388	(0.051)	1.380	(0.220)
HEMATEMESIS 5780	1989	4,700	1,410	103.9	1.585	(0.089)	0.548	(0.040)	1.002	(0.067)
	1988	4,724	1,417	136.3	1.660	(0.094)	0.490	(0.035)	0.995	(0.061)
	1987	4,548	1,306	199.7	1.859	(0.108)	0.427	(0.030)	0.911	(0.055)
ESTIMATE IMPUTED UNSPECIFIED CODES USED TO IMPUTE ESTIMATES)	1989	1,363	370	5.4	0.957	(0.089)	1.090	(0.122)	0.699	(0.134)
	1988	1,316	354	7.8	0.807	(0.084)	1.111	(0.145)	0.855	(0.138)
	1987	1,903	598	0.6	1.010	(0.079)	1.022	(0.101)	0.908	(0.124)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

MODERATELY SEVERE DISORDERS: NEOPLASTIC DISEASES

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL		PERSISTENCE		LONG TERM	
					EXCESS					
MAL NEO TONGUE BASE 1410	1989 1988 1987	648 660 733	203 188 240	33.3 53.4 38.7	0.561 0.599 0.551	(0.094) (0.115) (0.093)	1.258 0.936 1.381	(0.455) (0.338) (0.558)	0.757 0.671 0.706	(0.204) (0.166) (0.217)
MAL NEO DORSAL TONGUE 1411	1989 1988 1987	68 61 75	8 7 11	14.3* 21.5 10.6*	0.886 0.203 0.965	(0.031) (0.426) (0.033)	1.139 0.215 1.051	(0.069) (0.412) (0.065)	1.051 0.562 0.870	(0.071) (0.233) (0.069)
MAL NEO TIP/LAT TONGUE 1412	1989 1988 1987	276 358 339	45 52 52	55.3 66.2 77.7	0.273 0.347 0.246	(0.235) (0.163) (0.088)	0.301 0.594 4.657	(0.296) (0.355) (5.694)	0.909 0.589 0.180	(0.177) (0.142) (0.215)
MAL NEO VENTRAL TONGUE 1413	1989 1988 1987	55 56 63	8 4 5	14.3* 33.7* 24.3	0.886 0.820 0.757	(0.031) (0.029) (0.918)	1.139 1.179 0.145	(0.069) (0.073) (0.119)	1.051 1.051 0.290	(0.071) (0.070) (0.167)
MAL NEO ANT 2/3 TONGUE 1414	1989 1988 1987	164 133 169	17 16 32	54.5 42.4 24.3	0.208 0.633 0.607	(0.157) (0.519) (0.196)	0.808 0.209 1.710	(0.549) (0.148) (1.374)	0.359 0.475 0.005	(0.192) (0.159) (0.579)
MALIG NEO TONGUE NEC 1418	1989 1988 1987	243 253 223	82 81 72	13.5 33.7* 15.4	0.731 0.820 0.652	(0.130) (0.029) (0.156)	2.298 1.179 2.121	(1.007) (0.073) (0.945)	0.035 1.051 0.185	(0.338) (0.070) (0.356)
MALIG NEO TONGUE NOS 1419	1989 1988 1987	206 280 320	70 108 100	14.3* 15.6 13.5	0.886 1.887 1.568	(0.031) (0.335) (0.472)	1.139 0.669 0.265	(0.069) (0.186) (0.109)	1.051 0.514 1.168	(0.071) (0.250) (0.197)
MAL NEO NASOPHARYNX NOS 1479	1989 1988 1987	98 107 106	56 58 59	14.3* 12.4 10.6*	0.886 2.251 0.965	(0.031) (0.423) (0.033)	1.139 0.828 1.051	(0.069) (0.243) (0.065)	1.051 0.092 0.870	(0.071) (0.649) (0.069)
MAL NEO PYRIFORM SINUS 1481	1989 1988 1987	376 374 401	115 97 119	49.5 74.0 52.7	0.356 0.375 0.636	(0.089) (0.087) (0.140)	1.868 2.018 0.773	(1.083) (0.792) (0.248)	0.647 0.317 0.593	(0.237) (0.171) (0.158)
MAL NEO PHARYNX NOS 1490	1989 1988 1987	324 346 383	180 183 196	22.7 33.7* 27.6	2.000 0.820 2.144	(0.307) (0.029) (0.359)	0.555 1.179 0.551	(0.137) (0.073) (0.177)	1.338 1.051 1.352	(0.333) (0.070) (0.377)
MAL NEO UPPER LOBE LUNG 1623	1989 1988 1987	19,170 19,959 19,797	9,058 9,457 9,590	54.8 47.5 46.8	1.103 1.097 1.098	(0.024) (0.025) (0.024)	0.901 0.921 0.943	(0.033) (0.038) (0.040)	1.171 1.132 1.098	(0.046) (0.048) (0.049)
MAL NEO MIDDLE LOBE LUNG 1624	1989 1988 1987	1,869 2,057 1,974	963 1,071 1,054	11.2 24.7 20.5	1.163 1.174 0.973	(0.072) (0.085) (0.075)	1.015 0.734 0.943	(0.108) (0.090) (0.142)	0.959 1.503 1.460	(0.140) (0.148) (0.167)
MAL NEO LOWER LOBE LUNG 1625	1989 1988 1987	9,215 9,708 9,556	4,533 4,713 4,807	52.9 34.0 60.5	1.042 1.069 1.022	(0.032) (0.034) (0.034)	1.079 0.984 0.986	(0.058) (0.055) (0.061)	1.151 1.146 1.280	(0.067) (0.068) (0.072)
MALIG NEOPL UTERUS NOS 179	1989 1988 1987	498 527 588	163 195 222	27.8 13.4 29.4	1.589 1.512 1.850	(0.216) (0.221) (0.271)	0.596 0.565 0.369	(0.114) (0.149) (0.078)	0.461 0.855 1.071	(0.187) (0.271) (0.204)
MAL NEO CERVIX UTERI NOS 1809	1989 1988 1987	1,232 1,103 1,156	316 333 364	99.3 54.3 69.5	0.705 0.767 0.870	(0.077) (0.093) (0.077)	0.946 0.888 1.108	(0.165) (0.254) (0.156)	0.464 0.651 0.225	(0.120) (0.226) (0.137)
MALIGN NEOPL OVARY 1830	1989 1988 1987	5,644 5,535 5,594	2,257 2,318 2,369	149.6 104.9 93.0	1.150 1.178 1.195	(0.048) (0.050) (0.050)	0.661 0.639 0.684	(0.039) (0.041) (0.044)	0.790 0.922 0.846	(0.056) (0.069) (0.065)
MAL NEO FALLOPIAN TUBE 1832	1989 1988 1987	126 133 127	25 28 29	25.3 19.1 23.2	0.611 0.775 0.658	(0.389) (0.275) (0.313)	0.339 0.686 0.525	(0.257) (0.316) (0.390)	0.717 0.363 0.582	(0.222) (0.289) (0.341)
MALIG NEOPL KIDNEY 1890	1989 1988 1987	6,979 6,794 6,619	1,849 1,920 1,942	724.7 606.0 671.1	0.702 0.717 0.637	(0.034) (0.037) (0.033)	0.739 0.727 0.818	(0.048) (0.054) (0.065)	0.590 0.667 0.649	(0.044) (0.047) (0.050)
MALIGN NEOPL CEREBRUM 1910	1989 1988 1987	263 290 320	174 195 242	14.3* 59.1 110.3	0.886 0.520 0.769	(0.031) (0.196) (0.203)	1.139 0.928 1.169	(0.069) (0.488) (0.547)	1.051 4.361 4.401	(0.071) (0.695) (0.705)
MALIG NEO FRONTAL LOBE 1911	1989 1988 1987	985 998 1,042	610 620 636	237.8 197.1 197.0	0.602 0.456 0.373	(0.074) (0.091) (0.085)	6.298 2.849 2.478	(3.745) (1.127) (1.039)	2.750 3.234 3.322	(0.393) (0.425) (0.380)
MAL NEO TEMPORAL LOBE 1912	1989 1988 1987	850 844 760	496 510 450	156.3 33.7* 100.5	0.506 0.820 0.438	(0.074) (0.029) (0.107)	8.295 1.179 1.121	(6.959) (0.073) (0.480)	2.370 1.051 3.175	(0.391) (0.070) (0.358)
MAL NEO PARIETAL LOBE 1913	1989 1988 1987	957 976 891	585 604 576	183.0 255.6 214.4	0.510 0.077 0.272	(0.062) (0.076) (0.080)	13.971 7.097 10.529	(16.48) (17.08) (15.37)	1.997 4.331 3.271	(0.335) (0.432) (0.436)
MAL NEO OCCIPITAL LOBE 1914	1989 1988 1987	227 227 204	135 137 124	14.3* 40.5 20.5	0.886 0.373 0.750	(0.031) (0.182) (0.199)	1.139 2.864 2.595	(0.069) (2.825) (1.438)	1.051 3.148 1.582	(0.071) (0.828) (0.710)
MAL NEO CEREB VENTRICLE 1915	1989 1988 1987	36 60 56	18 37 32	14.3* 12.5 18.2	0.886 0.676 2.589	(0.031) (0.395) (1.382)	1.139 3.850 0.273	(0.069) (5.027) (0.163)	1.051 2.554 4.704	(0.071) (1.706) (1.380)
MAL NEO CEREBELLUM NOS 1916	1989 1988 1987	133 142 125	60 70 65	14.3* 33.7* 12.1	0.886 0.820 0.540	(0.031) (0.029) (0.311)	1.139 1.179 1.095	(0.069) (0.073) (0.913)	1.051 1.051 3.185	(0.071) (0.070) (0.962)
MAL NEO BRAIN STEM 1917	1989 1988 1987	65 71 55	37 47 36	14.1 21.0 11.4	1.860 2.236 1.780	(0.669) (0.612) (0.576)	0.720 0.964 1.458	(0.417) (0.357) (0.720)	3.545 1.942 0.808	(2.076) (1.267) (1.539)
MALIG NEO BRAIN NEC 1918	1989 1988 1987	696 658 617	480 464 443	196.6 202.1 235.8	0.720 0.562 0.483	(0.099) (0.121) (0.132)	2.805 6.048 3.134	(0.895) (4.625) (1.891)	3.495 3.363 4.700	(0.507) (0.657) (0.667)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

MODERATELY SEVERE DISORDERS: NEOPLASTIC DISEASES

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL EXCESS		PERSISTENCE		LONG TERM	
MALIG NEO BRAIN NOS 1919	1989	714	543	238.3	1.151	(0.136)	1.156	(0.244)	4.238	(0.520)
	1988	725	517	154.9	1.241	(0.166)	0.645	(0.140)	3.763	(0.401)
	1987	779	597	224.6	1.394	(0.149)	1.027	(0.219)	3.242	(0.502)
SEC MALIG NEO URIN NEC 1981	1989	1,156	487	162.2	0.449	(0.041)	2.285	(0.497)	0.431	(0.126)
	1988	1,100	457	131.4	0.567	(0.054)	1.430	(0.257)	0.456	(0.112)
	1987	1,086	501	88.5	0.549	(0.055)	2.033	(0.402)	0.493	(0.140)
SECONO MALIG NEO ADRENAL 1987	1989	162	109	17.8	0.457	(0.190)	1.604	(1.160)	2.915	(0.656)
	1988	181	114	33.7*	0.820	(0.029)	1.179	(0.073)	1.051	(0.070)
	1987	162	102	10.6*	0.965	(0.033)	1.051	(0.065)	0.870	(0.069)
SECOND MALIG NEO GENITAL 19882	1989	828	286	56.5	0.623	(0.073)	1.582	(0.455)	0.401	(0.169)
	1988	894	333	55.1	0.664	(0.065)	2.211	(0.546)	0.192	(0.159)
	1987	867	299	77.9	0.662	(0.085)	0.975	(0.222)	0.588	(0.138)
RETICULOSARCOMA MULT 20008	1989	189	131	37.4	1.832	(0.296)	0.879	(0.225)	2.072	(0.732)
	1988	240	163	43.6	1.707	(0.261)	1.108	(0.303)	1.645	(0.651)
	1987	316	220	46.7	1.338	(0.208)	1.195	(0.310)	1.994	(0.598)
LYMPHOSARCOMA UNSPEC 20010	1989	336	185	16.8	1.792	(0.271)	0.528	(0.111)	1.472	(0.302)
	1988	351	176	12.5	1.666	(0.248)	0.540	(0.105)	1.076	(0.260)
	1987	370	202	18.0	1.735	(0.211)	0.795	(0.141)	0.673	(0.245)
LYMPHOSARCOMA HEAD 20011	1989	180	42	16.0	0.604	(0.196)	1.048	(0.642)	0.471	(0.404)
	1988	239	56	35.3	0.416	(0.124)	1.710	(0.874)	0.355	(0.284)
	1987	256	65	10.6*	0.965	(0.033)	1.051	(0.065)	0.870	(0.069)
LYMPHOSARCOMA A800M 20013	1989	266	101	14.3*	0.886	(0.031)	1.139	(0.069)	1.051	(0.071)
	1988	313	126	33.7*	0.820	(0.029)	1.179	(0.073)	1.051	(0.070)
	1987	372	140	23.3	0.821	(0.145)	0.793	(0.187)	0.692	(0.210)
LYMPHOSARCOMA MULT 20018	1989	245	132	14.3*	0.886	(0.031)	1.139	(0.069)	1.051	(0.071)
	1988	279	166	22.3	1.486	(0.235)	0.976	(0.314)	1.506	(0.625)
	1987	323	194	15.4	1.411	(0.206)	0.954	(0.228)	1.290	(0.422)
MIXED LYMPHOSARC UNSPEC 20080	1989	239	131	13.7	1.450	(0.219)	1.244	(0.360)	0.780	(0.539)
	1988	229	127	13.9	1.490	(0.231)	1.288	(0.338)	0.624	(0.451)
	1987	174	98	10.6*	0.965	(0.033)	1.051	(0.065)	0.870	(0.069)
MIXED LYMPHOSARC MULT 20088	1989	206	119	14.5	1.361	(0.274)	0.891	(0.328)	1.850	(0.602)
	1988	183	126	30.7	1.387	(0.294)	1.002	(0.279)	2.491	(0.790)
	1987	182	107	10.6*	0.965	(0.033)	1.051	(0.065)	0.870	(0.069)
HODGKINS OIS NOS UNSPEC 20190	1989	131	74	16.2	1.913	(0.584)	0.319	(0.133)	3.356	(0.754)
	1988	163	100	18.7	1.883	(0.355)	0.720	(0.181)	1.641	(0.548)
	1987	219	126	19.5	1.518	(0.293)	0.772	(0.251)	2.037	(0.626)
HODGKINS OIS NOS MULT 20198	1989	47	29	14.3*	0.886	(0.031)	1.139	(0.069)	1.051	(0.071)
	1988	65	40	33.7*	0.820	(0.029)	1.179	(0.073)	1.051	(0.070)
	1987	71	46	21.6	1.289	(0.586)	1.002	(0.548)	4.343	(1.818)
NODULAR LYMPHOMA HEAD 20201	1989	228	40	32.8	0.541	(0.186)	0.840	(0.467)	0.422	(0.274)
	1988	261	34	33.7*	0.820	(0.029)	1.179	(0.073)	1.051	(0.070)
	1987	248	29	59.8	0.436	(0.310)	0.292	(0.243)	0.549	(0.149)
NODULAR LYMPHOMA A800M 20203	1989	238	57	22.2	0.669	(0.162)	1.068	(0.365)	0.300	(0.345)
	1988	252	72	14.7	0.791	(0.218)	0.641	(0.225)	0.870	(0.261)
	1987	268	75	12.2	0.634	(0.172)	1.207	(1.019)	0.620	(0.592)
NODULAR LYMPHOMA INGUIN 20205	1989	73	12	27.3	1.374	(1.350)	0.056	(0.044)	0.865	(0.289)
	1988	79	15	33.7*	0.820	(0.029)	1.179	(0.073)	1.051	(0.070)
	1987	95	21	22.1	0.874	(0.407)	0.398	(0.166)	0.503	(0.202)
MYCOSIS FUNGOIDES UNSPEC 20210	1989	124	33	31.4	1.183	(0.348)	0.594	(0.183)	0.195	(0.128)
	1988	115	36	21.0	0.490	(0.150)	3.031	(1.713)	0.053	(0.313)
	1987	80	28	10.6*	0.965	(0.033)	1.051	(0.065)	0.870	(0.069)
HAIRY-CELL LEUKEM UNSPEC 20240	1989	78	27	11.4	1.651	(0.513)	0.415	(0.121)	0.471	(0.374)
	1988	66	20	33.7*	0.820	(0.029)	1.179	(0.073)	1.051	(0.070)
	1987	93	31	10.6*	0.965	(0.033)	1.051	(0.065)	0.870	(0.069)
LYMPHOMA NEC UNSPEC SITE 20280	1989	1,722	1,060	160.3	1.751	(0.108)	0.634	(0.058)	1.903	(0.185)
	1988	1,645	996	137.5	1.827	(0.102)	0.824	(0.074)	1.046	(0.177)
	1987	1,546	913	88.9	1.679	(0.107)	0.719	(0.068)	1.318	(0.166)
LYMPHOMAS NEC HEAD 20281	1989	1,063	415	5.5	0.955	(0.087)	1.246	(0.200)	0.599	(0.183)
	1988	1,065	395	11.2	0.774	(0.095)	0.945	(0.183)	1.069	(0.178)
	1987	1,020	350	22.7	0.684	(0.083)	1.409	(0.327)	0.701	(0.194)
LYMPHOMAS NEC A800M 20283	1989	1,751	912	62.9	1.499	(0.097)	0.730	(0.069)	1.432	(0.170)
	1988	1,649	842	18.6	1.138	(0.079)	1.132	(0.144)	1.008	(0.200)
	1987	1,572	818	20.0	1.201	(0.090)	0.900	(0.104)	1.269	(0.177)
LYMPHOMAS NEC SPLEEN 20287	1989	90	23	11.5	0.555	(0.248)	0.795	(0.473)	0.683	(0.415)
	1988	94	21	16.1	0.628	(0.298)	0.669	(0.442)	0.496	(0.385)
	1987	81	26	10.6*	0.965	(0.033)	1.051	(0.065)	0.870	(0.069)
LYMPHOMAS NEC MULT 20288	1989	1,052	709	133.6	1.558	(0.122)	0.794	(0.098)	2.214	(0.277)
	1988	945	641	153.6	1.554	(0.141)	0.841	(0.118)	2.395	(0.327)
	1987	873	580	126.4	1.659	(0.160)	0.663	(0.092)	2.454	(0.311)
BENIGN NEOPLASM HEART 2127	1989	149	15	65.1	0.625	(0.316)	0.276	(0.126)	0.297	(0.161)
	1988	120	24	33.1	0.852	(0.295)	0.576	(0.308)	0.111	(0.357)
	1987	107	13	45.9	0.698	(0.402)	0.294	(0.176)	0.307	(0.179)
UNC BEHAV NEO PITUITARY 2370	1989	132	29	13.0	1.141	(0.394)	0.459	(0.172)	0.618	(0.328)
	1988	114	16	29.7	0.610	(0.413)	0.333	(0.329)	0.558	(0.336)
	1987	135	27	21.5	0.403	(0.201)	1.093	(0.594)	0.513	(0.376)
UNC BEHAV NEO MENINGES 2376	1989	37	9	14.3*	0.886	(0.031)	1.139	(0.069)	1.051	(0.071)
	1988	65	11	22.0	0.566	(0.332)	0.636	(0.530)	0.189	(0.783)
	1987	56	11	14.3	0.615	(0.391)	0.532	(0.323)	0.453	(0.399)
NEUROFIBROMATOSIS 2377	1989	92	5	21.6	0.876	(0.658)	0.262	(0.150)	0.181	(0.181)
	1988	95	10	33.7*	0.820	(0.029)	1.179	(0.073)	1.051	(0.070)
	1987	106	10	10.6*	0.965	(0.033)	1.051	(0.065)	0.870	(0.069)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

MODERATELY SEVERE DISORDERS: NEOPLASTIC DISEASES

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
BRAIN NEOPLASM NOS 2396	1989	588	304	26.3	0.657	(0.099)	1.529	(0.458)	1.961	(0.393)
	1988	646	323	14.7	0.730	(0.122)	0.963	(0.255)	2.010	(0.366)
	1987	724	353	24.8	0.589	(0.118)	0.775	(0.214)	2.293	(0.295)
* ESTIMATE IMPUTED UNSPECIFIED CODES (USED TO IMPUTE ESTIMATES)	1989	8,585	3,706	14.3	0.886	(0.031)	1.139	(0.069)	1.051	(0.071)
	1988	9,805	4,145	33.7	0.820	(0.029)	1.179	(0.073)	1.051	(0.070)
	1987	8,847	3,727	10.6	0.965	(0.033)	1.051	(0.065)	0.870	(0.069)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

MODERATELY SEVERE DISORDERS: OTHER DISORDERS

ICD-9 LABEL AND CDDE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
E COLI SEPTICEMIA 03842	1989	16,574	3,655	1018.4	1.020	(0.034)	0.628	(0.026)	0.605	(0.028)
	1988	15,964	3,788	991.4	1.031	(0.037)	0.563	(0.024)	0.720	(0.027)
	1987	15,036	3,773	884.3	1.010	(0.035)	0.604	(0.025)	0.714	(0.029)
GAS GANGRENE 0400	1989	222	105	72.8	4.829	(0.867)	0.416	(0.087)	1.558	(0.436)
	1988	245	112	81.9	4.527	(0.664)	0.492	(0.072)	0.891	(0.294)
	1987	241	118	58.2	2.916	(0.425)	0.880	(0.156)	0.575	(0.359)
VIRAL MENINGITIS NOS 0479	1989	439	35	59.4	0.470	(0.192)	0.687	(0.360)	0.369	(0.153)
	1988	419	34	81.2	0.169	(0.068)	1.923	(0.943)	0.286	(0.208)
	1987	426	45	49.8	0.401	(0.128)	1.142	(0.536)	0.343	(0.199)
HERPES SIMPLEX NDS 0549	1989	89	17	70.3*	1.494	(0.079)	0.802	(0.053)	0.787	(0.073)
	1988	108	22	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	114	21	18.0	0.435	(0.317)	0.570	(0.406)	0.707	(0.240)
APLASTIC ANEMIAS NEC 2848	1989	2,565	1,149	98.1	0.649	(0.046)	2.460	(0.334)	0.870	(0.198)
	1988	2,579	1,175	63.9	0.648	(0.046)	2.179	(0.256)	0.849	(0.123)
	1987	2,513	1,157	103.6	0.593	(0.046)	2.558	(0.292)	0.864	(0.135)
APLASTIC ANEMIA NDS 2849	1989	777	304	38.8	0.534	(0.078)	3.403	(0.936)	0.636	(0.391)
	1988	804	336	48.7	0.423	(0.073)	2.850	(0.872)	1.242	(0.305)
	1987	946	385	24.7	0.598	(0.078)	1.685	(0.370)	1.233	(0.261)
AMYOTROPHIC SCLEROSIS 33520	1989	1,014	529	482.7	4.325	(0.458)	0.473	(0.060)	4.083	(0.318)
	1988	1,164	621	584.9	5.559	(0.540)	0.344	(0.038)	4.049	(0.267)
	1987	1,403	708	565.7	4.971	(0.474)	0.334	(0.037)	3.799	(0.238)
CNS DEMYELINATION NOS 3419	1989	74	5	70.3*	1.494	(0.079)	0.802	(0.053)	0.787	(0.073)
	1988	78	15	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	116	8	12.9	0.321	(0.262)	0.985	(0.908)	0.396	(0.325)
ENCEPHALOPATHY NOS 3483	1989	3,231	877	26.8	0.907	(0.062)	0.937	(0.079)	0.828	(0.084)
	1988	3,803	1,046	53.3	0.761	(0.052)	0.994	(0.088)	0.895	(0.079)
	1987	3,721	1,046	57.6	0.769	(0.052)	0.967	(0.082)	0.897	(0.079)
CHRONIC RENAL FAILURE 585	1989	12,037	3,420	105.4	1.159	(0.042)	1.064	(0.061)	1.157	(0.068)
	1988	12,912	3,805	129.8	1.182	(0.040)	1.136	(0.063)	1.019	(0.067)
	1987	13,493	3,973	123.4	1.202	(0.040)	1.052	(0.052)	1.100	(0.060)
DECUBITUS ULCER 7070	1989	13,736	5,430	883.4	0.745	(0.024)	2.482	(0.149)	1.117	(0.117)
	1988	14,280	5,966	849.7	0.808	(0.024)	2.286	(0.120)	1.094	(0.099)
	1987	13,203	5,486	771.5	0.838	(0.025)	2.317	(0.125)	0.948	(0.113)
SYSTEMIC SCLEROSIS 7101	1989	365	125	39.3	2.082	(0.378)	0.914	(0.198)	1.712	(0.404)
	1988	435	159	50.6	2.176	(0.371)	0.984	(0.264)	1.324	(0.415)
	1987	501	159	26.8	1.266	(0.182)	1.725	(0.416)	0.699	(0.401)
JAUNDICE NOS 7824	1989	661	167	12.1	1.072	(0.163)	0.899	(0.186)	0.576	(0.179)
	1988	792	206	13.5	1.010	(0.134)	0.922	(0.144)	0.615	(0.147)
	1987	831	245	63.1*	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)
SPONTANEOUS ECCHYMOSES 7827	1989	107	18	17.3	0.173	(0.145)	2.353	(2.092)	0.705	(0.631)
	1988	101	15	17.2	0.775	(0.474)	0.409	(0.283)	0.523	(0.256)
	1987	110	17	12.4	0.598	(0.338)	0.587	(0.323)	0.696	(0.323)
GANGRENE 7854	1989	8,160	2,688	31.5	0.846	(0.032)	1.438	(0.100)	0.720	(0.081)
	1988	9,911	3,349	55.6	0.840	(0.027)	1.477	(0.083)	0.664	(0.071)
	1987	10,897	3,591	85.8	0.829	(0.025)	1.587	(0.088)	0.499	(0.071)
ASCITES 7895	1989	1,351	649	86.5	0.822	(0.068)	2.582	(0.447)	0.865	(0.295)
	1988	1,373	684	78.7	0.739	(0.069)	2.188	(0.412)	1.225	(0.241)
	1987	1,450	698	65.5	0.756	(0.076)	1.424	(0.220)	1.620	(0.187)
SENILITY W/O PSYCHOSIS 797	1989	114	32	70.3*	1.494	(0.079)	0.802	(0.053)	0.787	(0.073)
	1988	132	31	22.7	1.105	(0.608)	0.213	(0.124)	1.020	(0.254)
	1987	175	56	63.1*	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)
ASPHYXIA 7990	1989	1,247	356	10.1	1.246	(0.163)	0.599	(0.109)	1.250	(0.157)
	1988	1,344	368	31.7	1.376	(0.164)	0.509	(0.068)	1.013	(0.106)
	1987	1,327	378	22.6	1.320	(0.161)	0.539	(0.081)	1.140	(0.127)
CACHEXIA 7994	1989	187	101	34.3	1.808	(0.354)	1.074	(0.287)	1.904	(0.592)
	1988	259	145	37.2	1.791	(0.238)	1.518	(0.411)	0.423	(0.464)
	1987	285	166	66.0	2.235	(0.354)	0.978	(0.281)	1.684	(0.562)
C1-C4 FX-CL/CORD INJ NOS 80600	1989	106	55	70.3*	1.494	(0.079)	0.802	(0.053)	0.787	(0.073)
	1988	96	46	29.7	2.999	(0.656)	0.987	(0.204)	0.484	(0.384)
	1987	125	65	32.9	2.844	(0.607)	0.854	(0.206)	1.351	(0.564)
C5-C7 FX-CL/CORD INJ NOS 80605	1989	79	40	70.3*	1.494	(0.079)	0.802	(0.053)	0.787	(0.073)
	1988	87	40	18.0	1.916	(0.719)	1.019	(0.647)	2.470	(1.287)
	1987	86	40	63.1*	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)
FLAIL CHEST 8074	1989	359	129	22.4	1.651	(0.258)	1.158	(0.243)	0.810	(0.392)
	1988	315	94	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	267	79	63.1*	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)
BRAIN LACERATION NEC 85180	1989	334	59	21.9	0.847	(0.292)	0.551	(0.249)	0.759	(0.214)
	1988	323	81	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	291	57	18.9	0.895	(0.272)	0.555	(0.184)	0.776	(0.209)
BRAIN LACER NEC W/D COMA 85181	1989	311	47	33.6	0.354	(0.107)	1.508	(0.695)	0.432	(0.284)
	1988	294	51	33.3	0.708	(0.204)	0.684	(0.197)	0.502	(0.155)
	1987	261	47	22.2	0.491	(0.140)	1.748	(0.894)	0.116	(0.337)
BRAIN LAC NEC-BRIEF CDMA 85182	1989	187	26	17.4	0.707	(0.348)	0.527	(0.304)	0.695	(0.251)
	1988	188	30	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	185	19	38.4	1.074	(0.505)	0.291	(0.122)	0.363	(0.145)
BRAIN LAC NEC-DEEP CDMA 85185	1989	103	91	246.9	11.209	(1.557)	0.992	(0.180)	1.497	(1.550)
	1988	97	79	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	67	52	63.1*	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)
TRAUM SUBARACHNOID HEM 85200	1989	193	65	25.7	3.252	(0.747)	0.489	(0.124)	0.803	(0.320)
	1988	173	63	23.9	2.521	(0.543)	0.694	(0.169)	0.375	(0.258)
	1987	137	61	15.7	2.400	(0.534)	0.695	(0.154)	1.228	(0.425)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

MODERATELY SEVERE DISORDERS: OTHER DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
SUBARACH HEM-BRIEF COMA 85202	1989	89	14	12.7	1.853	(0.881)	0.349	(0.167)	0.298	(0.218)
	1988	79	17	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	70	14	63.1*	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)
SUBARACH HEM-COMA NOS 85206	1989	90	27	70.3*	1.494	(0.079)	0.802	(0.053)	0.787	(0.073)
	1988	84	43	34.1	4.056	(0.943)	0.700	(0.180)	0.719	(0.530)
	1987	64	29	13.5	2.679	(0.768)	0.921	(0.283)	0.633	(0.622)
TRAUMATIC SUBDURAL HEM 85220	1989	1,854	527	37.2	1.196	(0.095)	0.879	(0.088)	0.541	(0.097)
	1988	1,835	514	39.9	1.232	(0.103)	0.739	(0.069)	0.686	(0.090)
	1987	1,754	526	53.5	1.368	(0.112)	0.793	(0.081)	0.522	(0.096)
SUBDURAL HEM W/O COMA 85221	1989	1,376	322	46.6	1.032	(0.102)	0.858	(0.088)	0.487	(0.090)
	1988	1,289	299	60.2	1.034	(0.111)	0.774	(0.091)	0.494	(0.091)
	1987	1,177	312	32.9	1.048	(0.118)	0.775	(0.108)	0.658	(0.117)
SUBDURAL HEM-BRIEF COMA 85222	1989	309	70	13.1	1.033	(0.195)	1.182	(0.285)	0.112	(0.226)
	1988	282	79	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	270	72	63.1*	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)
SUBDURAL HEMORR-MOD COMA 85223	1989	54	31	71.4	19.556	(5.759)	0.188	(0.054)	1.594	(0.800)
	1988	63	41	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	73	31	27.8	5.464	(1.760)	0.398	(0.142)	0.716	(0.530)
SUBDURAL HEM-PROLONG COMA 85224	1989	39	9	70.3*	1.494	(0.079)	0.802	(0.053)	0.787	(0.073)
	1988	43	22	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	52	26	15.8	3.860	(2.156)	0.453	(0.354)	3.181	(1.390)
SUBDURAL HEMORR-COMA NOS 85226	1989	405	191	132.1	3.828	(0.425)	0.672	(0.077)	0.591	(0.216)
	1988	369	181	93.1	3.439	(0.458)	0.599	(0.095)	1.473	(0.337)
	1987	379	197	143.1	3.903	(0.441)	0.677	(0.087)	0.639	(0.268)
TRAUMATIC BRAIN HEM NEC 85300	1989	492	168	64.8	3.311	(0.455)	0.436	(0.062)	0.933	(0.193)
	1988	472	168	31.9	1.953	(0.246)	0.805	(0.107)	0.486	(0.174)
	1987	508	180	17.6	1.757	(0.246)	0.767	(0.127)	0.854	(0.208)
BRAIN HEM NEC W/O COMA 85301	1989	380	90	17.4	1.537	(0.295)	0.567	(0.105)	0.635	(0.166)
	1988	327	112	18.0	1.858	(0.293)	0.797	(0.138)	0.539	(0.218)
	1987	312	91	63.1*	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)
BRAIN HEM NEC-COMA NOS 85306	1989	166	75	69.2	6.790	(1.536)	0.327	(0.086)	1.583	(0.496)
	1988	174	79	44.6	4.531	(0.996)	0.383	(0.093)	1.667	(0.448)
	1987	149	62	37.2	3.610	(0.750)	0.643	(0.150)	0.634	(0.422)
HEART CONTUSION-CLOSED 86101	1989	601	53	116.8	0.751	(0.312)	0.556	(0.331)	0.168	(0.153)
	1988	541	47	125.5	0.841	(0.242)	0.444	(0.137)	0.167	(0.079)
	1987	459	46	95.0	0.565	(0.184)	0.485	(0.157)	0.387	(0.103)
LIVER HEMATOMA/CONTUSION 86401	1989	91	8	70.3*	1.494	(0.079)	0.802	(0.053)	0.787	(0.073)
	1988	76	8	15.4	0.365	(0.209)	1.362	(1.319)	0.080	(0.510)
	1987	66	12	63.1*	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)
LIVER INJURY NEC-CLOSED 86409	1989	60	17	16.1	4.812	(1.838)	0.321	(0.109)	0.363	(0.354)
	1988	56	26	102.3*	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	53	20	40.0	11.960	(4.380)	0.201	(0.078)	0.376	(0.459)
FOREIGN BODY IN LARYNX 9331	1989	631	201	57.4	2.990	(0.479)	0.256	(0.047)	1.309	(0.173)
	1988	725	241	27.9	1.945	(0.265)	0.492	(0.083)	0.980	(0.166)
	1987	819	281	42.5	2.145	(0.270)	0.432	(0.065)	1.035	(0.151)
EFFECTS RADIATION NOS 990	1989	261	78	21.9	0.336	(0.154)	0.885	(0.446)	1.275	(0.266)
	1988	301	88	32.0	0.171	(0.118)	1.322	(1.340)	1.167	(0.260)
	1987	337	108	25.6	0.222	(0.149)	0.848	(0.543)	1.399	(0.215)
MALFUNC PROSTH HRT VALVE 99602	1989	1,163	238	39.4	1.160	(0.130)	0.889	(0.106)	0.381	(0.098)
	1988	1,051	249	24.4	1.341	(0.170)	0.634	(0.086)	0.753	(0.118)
	1987	804	178	32.8	1.402	(0.205)	0.652	(0.114)	0.533	(0.140)
* ESTIMATE IMPUTED										
UNSPECIFIED CODES										
(USED TO IMPUTE ESTIMATES)										
	1989	4,735	1,332	70.3	1.494	(0.079)	0.802	(0.053)	0.787	(0.073)
	1988	5,916	1,753	102.3	1.593	(0.077)	0.715	(0.042)	0.884	(0.062)
	1987	6,243	1,871	63.1	1.382	(0.064)	0.760	(0.043)	0.875	(0.060)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

VERY SEVERE DISORDERS: CARDIOPULMONARY AND CIRCULATORY DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL		PERSISTENCE		LONG TERM	
					EXCESS					
TRICUSPID VALVE DISEASE 3970	1989	114	27	16.7	0.261	(0.102)	2.020	(0.683)	0.809	(0.354)
	1988	113	21	21.3	0.221	(0.086)	2.254	(0.871)	0.462	(0.328)
	1987	104	27	33.1*	0.550	(0.057)	1.669	(0.199)	0.742	(0.139)
AMI ANTEROLATERAL WALL 4100	1989	11,536	4,813	267.2	1.481	(0.037)	0.796	(0.019)	0.908	(0.037)
	1988	12,259	5,270	218.5	1.359	(0.032)	0.883	(0.020)	0.850	(0.036)
	1987	12,910	5,470	141.7	1.275	(0.029)	0.884	(0.020)	0.858	(0.035)
AMI ANTERIOR WALL NEC 4101	1989	49,245	19,096	430.5	1.232	(0.016)	0.883	(0.011)	0.822	(0.017)
	1988	50,971	20,536	409.3	1.223	(0.015)	0.880	(0.011)	0.843	(0.017)
	1987	52,505	21,853	323.3	1.180	(0.014)	0.933	(0.011)	0.851	(0.017)
AMI INFEROLATERAL WALL 4102	1989	6,410	2,230	175.5	1.382	(0.049)	0.732	(0.025)	0.699	(0.042)
	1988	6,498	2,349	181.9	1.350	(0.047)	0.744	(0.025)	0.674	(0.041)
	1987	6,613	2,377	138.6	1.253	(0.044)	0.774	(0.027)	0.707	(0.043)
AMI INFEROPOSTERIOR WALL 4103	1989	3,547	1,143	126.4	1.275	(0.062)	0.810	(0.037)	0.486	(0.049)
	1988	3,249	1,083	92.8	1.219	(0.061)	0.849	(0.040)	0.514	(0.053)
	1987	3,138	1,048	72.6	1.090	(0.055)	0.882	(0.040)	0.546	(0.054)
AMI INFERIOR WALL NEC 4104	1989	49,307	14,071	1932.8	1.062	(0.016)	0.764	(0.011)	0.580	(0.014)
	1988	50,141	15,058	1742.6	1.020	(0.015)	0.792	(0.011)	0.613	(0.014)
	1987	51,580	15,566	1942.6	0.998	(0.014)	0.795	(0.011)	0.603	(0.014)
AMI LATERAL WALL NEC 4105	1989	5,836	1,840	156.8	1.107	(0.045)	0.761	(0.030)	0.696	(0.043)
	1988	5,732	1,816	173.4	1.045	(0.044)	0.750	(0.031)	0.745	(0.044)
	1987	6,072	1,894	193.8	0.850	(0.035)	0.893	(0.037)	0.687	(0.043)
TRUE POSTERIOR INFARCT 4106	1989	2,311	662	94.1	1.119	(0.074)	0.741	(0.046)	0.567	(0.061)
	1988	2,214	661	111.4	1.151	(0.078)	0.723	(0.048)	0.520	(0.061)
	1987	2,410	727	111.9	1.085	(0.072)	0.726	(0.047)	0.588	(0.063)
MYOCARDIAL INFARCT NEC 4108	1989	5,275	2,077	221.2	1.685	(0.069)	0.535	(0.022)	1.093	(0.054)
	1988	4,702	1,948	153.8	1.585	(0.067)	0.594	(0.026)	1.065	(0.058)
	1987	4,160	1,793	141.6	1.600	(0.071)	0.599	(0.028)	1.076	(0.063)
MYOCARDIAL INFARCT NOS 4109	1989	27,311	13,254	3826.1	2.687	(0.041)	0.479	(0.007)	1.173	(0.027)
	1988	29,072	14,530	4252.9	2.694	(0.039)	0.483	(0.007)	1.214	(0.027)
	1987	30,848	15,671	4330.7	2.619	(0.037)	0.495	(0.007)	1.263	(0.027)
AC/SUBAC BACT ENDOCARD 4210	1989	2,716	838	497.3	0.263	(0.015)	3.855	(0.306)	0.387	(0.093)
	1988	2,663	777	434.5	0.266	(0.018)	3.039	(0.262)	0.533	(0.083)
	1987	2,455	705	516.8	0.229	(0.015)	3.587	(0.310)	0.401	(0.090)
CONSTRUCTIV PERICARDITIS 4232	1989	202	59	21.4	0.292	(0.086)	2.254	(0.921)	1.092	(0.436)
	1988	208	51	46.0	0.163	(0.043)	4.244	(1.474)	0.401	(0.341)
	1987	227	59	39.9	0.235	(0.072)	1.835	(0.626)	0.953	(0.263)
BASILAR ARTERY OCCLUSION 4330	1989	463	159	1.6*	0.954	(0.104)	0.949	(0.113)	1.033	(0.140)
	1988	556	180	20.3	0.625	(0.077)	1.621	(0.200)	0.475	(0.138)
	1987	587	212	33.1*	0.550	(0.057)	1.669	(0.199)	0.742	(0.139)
RUPTURE OF ARTERY 4472	1989	488	135	17.9	1.247	(0.199)	0.776	(0.130)	0.519	(0.137)
	1988	488	139	21.1	1.343	(0.205)	0.740	(0.114)	0.497	(0.130)
	1987	572	172	19.7	1.805	(0.309)	0.471	(0.092)	0.955	(0.171)
ESOPHAG VARICES W BLEED 4560	1989	1,282	437	45.1	0.566	(0.058)	1.317	(0.169)	0.923	(0.119)
	1988	1,329	455	35.0	0.727	(0.071)	0.945	(0.097)	1.037	(0.102)
	1987	1,186	413	45.3	0.686	(0.066)	0.978	(0.102)	0.968	(0.115)
K. PNEUMONIAE PNEUMONIA 4820	1989	9,103	3,917	650.0	0.473	(0.015)	1.929	(0.074)	1.075	(0.051)
	1988	9,811	4,290	783.2	0.460	(0.014)	1.989	(0.071)	1.016	(0.048)
	1987	9,400	4,267	940.3	0.440	(0.013)	2.159	(0.076)	1.041	(0.051)
PSEUDOMONAL PNEUMONIA 4821	1989	11,382	5,112	1599.6	0.390	(0.011)	2.795	(0.098)	1.085	(0.054)
	1988	11,001	5,120	1611.6	0.398	(0.011)	2.713	(0.093)	1.146	(0.055)
	1987	9,762	4,650	1734.3	0.376	(0.011)	2.987	(0.106)	1.119	(0.060)
STAPHYLOCOCCAL PNEUMONIA 4824	1989	11,611	5,825	1004.6	0.553	(0.013)	2.126	(0.064)	1.064	(0.050)
	1988	10,331	5,101	742.4	0.559	(0.015)	1.983	(0.063)	1.047	(0.050)
	1987	8,063	4,208	809.6	0.532	(0.015)	2.167	(0.079)	1.150	(0.062)
BACTERIAL PNEUMONIA NEC 4828	1989	16,401	5,928	1495.4	0.387	(0.010)	1.881	(0.056)	0.959	(0.033)
	1988	14,942	5,744	1457.6	0.390	(0.010)	2.049	(0.062)	0.893	(0.036)
	1987	12,303	4,737	1182.2	0.401	(0.011)	1.966	(0.063)	0.900	(0.039)
FOOD/VOMIT PNEUMONITIS 5070	1989	27,516	16,300	2541.8	0.771	(0.012)	1.842	(0.038)	1.354	(0.037)
	1988	25,055	15,142	2633.8	0.748	(0.012)	1.907	(0.041)	1.401	(0.039)
	1987	21,952	13,336	2280.7	0.749	(0.012)	1.898	(0.042)	1.379	(0.041)
OIL/ESSENCE PNEUMONITIS 5071	1989	75	19	14.9	0.219	(0.084)	3.813	(2.240)	0.309	(0.652)
	1988	70	22	27.5*	0.496	(0.081)	1.381	(0.274)	0.990	(0.186)
	1987	70	20	26.1	0.048	(0.061)	6.282	(6.784)	1.708	(0.854)
SOLID/LIQ PNEUMONIT NEC 5078	1989	171	89	1.6*	0.954	(0.104)	0.949	(0.113)	1.033	(0.140)
	1988	156	71	27.5*	0.496	(0.081)	1.381	(0.274)	0.990	(0.186)
	1987	155	85	27.7	0.620	(0.124)	2.543	(0.702)	1.254	(0.559)
AC PUL MANIF D/T RADIAT 5080	1989	494	284	54.9	0.476	(0.054)	3.105	(0.567)	0.573	(0.216)
	1988	490	299	113.5	0.323	(0.048)	6.235	(1.278)	0.713	(0.285)
	1987	454	253	66.7	0.301	(0.046)	4.248	(1.540)	0.815	(0.331)
EMPHYEMA WITH FISTULA 5100	1989	363	141	45.9	0.313	(0.066)	2.776	(0.740)	1.416	(0.316)
	1988	361	123	53.7	0.291	(0.059)	2.896	(0.595)	0.955	(0.237)
	1987	362	136	76.3	0.222	(0.047)	3.866	(0.925)	1.201	(0.289)
SPONT TENS PNEUMOTHORAX 5120	1989	537	143	54.0	0.302	(0.056)	2.057	(0.463)	0.818	(0.175)
	1988	513	149	54.2	0.319	(0.051)	2.364	(0.443)	0.710	(0.187)
	1987	482	127	48.6	0.437	(0.104)	0.928	(0.269)	1.175	(0.187)
IDIO FIBROS ALVEOLITIS 5163	1989	1,375	577	195.1	0.454	(0.039)	2.503	(0.253)	1.467	(0.176)
	1988	1,341	569	175.7	0.483	(0.041)	2.413	(0.260)	1.490	(0.189)
	1987	1,372	616	235.8	0.426	(0.037)	2.613	(0.311)	1.726	(0.209)
ALVEOL PNEUMONOPATHY NEC 5168	1989	1,262	331	153.2	0.302	(0.037)	1.768	(0.231)	0.805	(0.101)
	1988	1,316	360	143.1	0.327	(0.035)	1.878	(0.218)	0.775	(0.106)
	1987	1,121	283	155.7	0.309	(0.038)	1.644	(0.227)	0.723	(0.109)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

VERY SEVERE DISORDERS: CARDIOPULMONARY AND CIRCULATORY DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
PDST TRAUM PULM INSUFFIC 5185	1989	626	313	86.9	0.916	(0.090)	2.073	(0.256)	0.897	(0.240)
	1988	640	307	66.7	0.856	(0.082)	1.836	(0.185)	1.165	(0.218)
	1987	1,164	637	196.8	1.016	(0.063)	1.947	(0.133)	0.808	(0.160)
* ESTIMATE IMPUTED UNSPECIFIED CODES (USED TO IMPUTE ESTIMATES)	1989	884	324	1.6	0.954	(0.104)	0.949	(0.113)	1.033	(0.140)
	1988	501	175	27.5	0.496	(0.081)	1.381	(0.274)	0.990	(0.186)
	1987	953	325	33.1	0.550	(0.057)	1.669	(0.199)	0.742	(0.139)

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

VERY SEVERE DISORDERS: GASTROINTESTINAL AND ENDOCRINE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK				LONG TERM	
					EXCESS	INITIAL	PERSISTENCE			
DIAB HYPEROSM CDMA ADULT 25020	1989	1,654	704	96.6	2.156	(0.181)	0.398	(0.040)	1.465	(0.116)
	1988	1,788	788	136.0	2.384	(0.178)	0.433	(0.039)	1.361	(0.114)
	1987	1,770	757	134.0	2.259	(0.161)	0.450	(0.035)	1.163	(0.098)
DIAB HYPERDSM COMA JUVEN 25021	1989	2,080	796	10.0	1.144	(0.097)	0.708	(0.086)	1.252	(0.122)
	1988	2,341	887	17.6	1.159	(0.085)	0.704	(0.064)	1.288	(0.102)
	1987	2,221	828	10.9	1.063	(0.074)	0.814	(0.065)	1.035	(0.089)
DIABETES CDMA NEC ADULT 25030	1989	353	128	22.1*	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	391	139	50.5	2.698	(0.582)	0.237	(0.061)	1.148	(0.192)
	1987	447	155	24.8	1.984	(0.393)	0.324	(0.077)	1.243	(0.189)
DIABETES CDMA NEC JUVEN 25031	1989	745	253	22.1*	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	845	295	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	869	318	26.7	1.599	(0.214)	0.450	(0.069)	1.527	(0.156)
NUTRITIONAL MARASMUS 261	1989	838	456	53.7	1.188	(0.098)	1.479	(0.210)	0.953	(0.267)
	1988	828	454	48.1	1.102	(0.095)	1.402	(0.188)	1.216	(0.245)
	1987	820	447	35.0	1.163	(0.116)	1.219	(0.216)	1.275	(0.249)
DTH SEVERE MALNUTRITION 262	1989	227	119	12.2	1.209	(0.260)	0.879	(0.281)	1.905	(0.421)
	1988	207	113	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	192	94	31.4*	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)
PRDTEIN-CAL MALNUTR NEC 2638	1989	294	115	22.1*	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	258	98	18.2	0.409	(0.095)	1.953	(0.827)	1.076	(0.468)
	1987	201	76	31.4*	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)
PROTEIN-CAL MALNUTR NDS 2639	1989	3,774	1,604	131.6	0.560	(0.033)	1.513	(0.148)	1.274	(0.111)
	1988	3,667	1,569	119.1	0.592	(0.033)	1.526	(0.128)	1.216	(0.102)
	1987	3,552	1,544	97.0	0.614	(0.036)	1.443	(0.126)	1.260	(0.096)
DIS CALCIUM METABOLISM 2754	1989	3,424	1,427	98.8	0.697	(0.041)	0.939	(0.062)	1.084	(0.090)
	1988	3,462	1,470	65.5	0.761	(0.035)	1.134	(0.062)	0.795	(0.087)
	1987	3,151	1,267	57.6	0.722	(0.043)	1.053	(0.072)	0.988	(0.090)
HYPEROSMOLALITY 2760	1989	2,085	884	18.2	0.799	(0.057)	1.102	(0.107)	1.249	(0.126)
	1988	2,103	855	30.2	0.750	(0.058)	1.057	(0.116)	1.316	(0.122)
	1987	1,678	668	27.7	0.733	(0.065)	1.023	(0.121)	1.305	(0.125)
ACIDDSIS 2762	1989	1,702	675	271.9	3.787	(0.309)	0.208	(0.018)	1.427	(0.103)
	1988	1,880	786	303.3	3.501	(0.275)	0.246	(0.023)	1.435	(0.109)
	1987	2,012	846	325.4	3.538	(0.249)	0.251	(0.018)	1.418	(0.090)
MIXED ACID-BASE 8AL DIS 2764	1989	151	66	37.7	5.292	(1.705)	0.197	(0.082)	1.364	(0.421)
	1988	172	67	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	185	79	24.9	2.815	(0.581)	0.315	(0.058)	1.194	(0.250)
AC STDMACH ULCER W PERF 53110	1989	957	314	34.2	1.038	(0.093)	1.058	(0.101)	0.302	(0.097)
	1988	961	313	16.5	0.888	(0.084)	1.170	(0.121)	0.488	(0.116)
	1987	871	291	31.4*	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)
AC STOMACH ULC W HEM/PERF 53120	1989	392	136	22.1*	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	409	133	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	342	121	14.2	0.962	(0.135)	1.441	(0.220)	0.191	(0.168)
CHR STDMACH ULCER W PERF 53150	1989	1,369	408	41.4	0.895	(0.074)	1.047	(0.093)	0.430	(0.092)
	1988	1,470	449	36.5	0.895	(0.071)	1.075	(0.092)	0.471	(0.086)
	1987	1,455	436	28.3	0.887	(0.074)	1.030	(0.093)	0.576	(0.094)
CHR STDMACH ULC HEM/PERF 53160	1989	405	138	22.1*	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	420	156	17.4	1.375	(0.185)	1.035	(0.168)	0.335	(0.195)
	1987	438	143	31.4*	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)
AC DUODENAL ULCER W PERF 53210	1989	1,483	389	89.6	0.821	(0.071)	0.970	(0.093)	0.371	(0.082)
	1988	1,488	377	97.3	0.661	(0.058)	1.213	(0.121)	0.328	(0.082)
	1987	1,394	373	89.0	0.713	(0.062)	1.132	(0.106)	0.346	(0.079)
AC DUODEN ULC W HEM/PERF 53220	1989	528	214	16.6	1.239	(0.130)	1.131	(0.118)	0.415	(0.146)
	1988	503	192	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	445	169	26.0	1.246	(0.143)	1.194	(0.142)	0.148	(0.121)
CHR DUODEN ULCER W PERF 53250	1989	2,058	565	109.0	0.881	(0.063)	0.959	(0.074)	0.373	(0.067)
	1988	2,162	537	170.9	0.734	(0.051)	1.052	(0.072)	0.302	(0.054)
	1987	2,183	531	158.1	0.684	(0.048)	1.168	(0.091)	0.306	(0.061)
CHR DUODEN ULC PERF-DBST 53251	1989	113	25	22.1*	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	94	18	14.6	0.622	(0.228)	1.058	(0.368)	0.134	(0.169)
	1987	121	32	31.4*	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)
CHR DUODEN ULC HEM/PERF 53260	1989	460	174	22.1*	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	448	157	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	489	192	15.3	1.130	(0.127)	1.249	(0.151)	0.309	(0.150)
AC PEPTIC ULCER W PERFD 53310	1989	177	48	14.0	1.001	(0.221)	0.890	(0.199)	0.215	(0.189)
	1988	179	57	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	203	62	13.3	1.575	(0.334)	0.614	(0.124)	0.503	(0.196)
AC PEPTIC ULC W HEM/PERF 53320	1989	91	28	18.0	3.189	(1.019)	0.295	(0.088)	0.587	(0.286)
	1988	95	30	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	104	26	31.4*	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)
AC PEPT ULC HEM/PERF-DBS 53321	1989	50	1	22.1*	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	58	5	15.8	0.410	(0.410)	0.518	(0.462)	0.320	(0.236)
	1987	51	5	31.4*	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)
CHR PEPTIC ULCER W PERF 53350	1989	279	94	22.1*	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	334	108	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	367	106	33.7	1.242	(0.189)	0.804	(0.124)	0.186	(0.113)
CHR PEPT ULC W HEM/PERF 53360	1989	70	34	23.7	3.994	(1.293)	0.441	(0.178)	0.515	(0.499)
	1988	65	27	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	86	29	31.4*	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)
PERFORATION DF INTESTINE 56983	1989	2,441	1,127	231.4	2.096	(0.105)	0.707	(0.041)	0.680	(0.087)
	1988	2,304	1,018	167.7	1.822	(0.091)	0.808	(0.045)	0.546	(0.081)
	1987	2,151	1,010	235.9	2.090	(0.107)	0.797	(0.047)	0.580	(0.087)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

VERY SEVERE DISORDERS: GASTROINTESTINAL AND ENDOCRINE DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
ALCOHOL CIRRHOSIS LIVER 5712	1989	4,476	2,196	243.5	1.305	(0.050)	1.183	(0.063)	1.204	(0.106)
	1988	4,257	2,077	177.6	1.279	(0.052)	1.107	(0.061)	1.272	(0.100)
	1987	4,502	2,183	169.0	1.217	(0.048)	1.122	(0.059)	1.320	(0.097)
CIRRHOSIS OF LIVER NOS 5715	1989	4,847	2,219	122.1	0.858	(0.034)	1.523	(0.101)	1.060	(0.118)
	1988	4,927	2,311	120.6	0.878	(0.036)	1.374	(0.090)	1.261	(0.103)
	1987	4,989	2,317	122.6	0.849	(0.033)	1.499	(0.090)	1.102	(0.097)
BILIARY CIRRHOSIS 5716	1989	348	132	11.5	0.827	(0.115)	2.048	(0.487)	0.420	(0.478)
	1988	327	115	31.6*	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	358	125	31.4*	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)
HEPATIC COMA 5722	1989	3,664	1,931	24.2	0.915	(0.044)	0.879	(0.062)	1.419	(0.103)
	1988	3,783	2,093	18.8	1.026	(0.047)	0.824	(0.055)	1.380	(0.088)
	1987	3,399	1,843	67.1	0.930	(0.048)	0.767	(0.054)	1.800	(0.110)
DIS OF BILIARY TRACT NEC 5768	1989	1,431	541	79.4	0.542	(0.052)	1.112	(0.138)	1.050	(0.122)
	1988	1,448	557	63.1	0.560	(0.051)	1.209	(0.152)	1.068	(0.134)
	1987	1,567	580	76.8	0.553	(0.044)	1.536	(0.166)	0.700	(0.125)
* ESTIMATE IMPUTED										
UNSPECIFIED CODES										
(USED TO IMPUTE ESTIMATES)										
	1989	3,846	1,309	22.1	0.880	(0.045)	1.131	(0.075)	0.710	(0.078)
	1988	4,365	1,546	31.6	0.984	(0.043)	1.132	(0.058)	0.604	(0.065)
	1987	3,179	1,076	31.4	0.855	(0.045)	1.229	(0.073)	0.620	(0.072)

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
VERY SEVERE DISORDERS: INFECTIOUS DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL		PERSISTENCE		LONG TERM	
		EXCESS								
STREPTOCOCCAL SEPTICEMIA 0380	1989	6,034	2,287	191.2	0.721	(0.031)	1.033	(0.053)	0.796	(0.041)
	1988	5,348	2,097	143.5	0.741	(0.031)	1.054	(0.051)	0.787	(0.045)
	1987	4,365	1,727	133.5	0.697	(0.034)	1.109	(0.065)	0.789	(0.052)
STAPHYLOCOCC SEPTICEMIA 0381	1989	12,084	5,853	467.6	0.621	(0.016)	1.782	(0.059)	0.923	(0.041)
	1988	10,231	5,076	505.3	0.581	(0.016)	1.825	(0.068)	0.999	(0.049)
	1987	8,537	4,137	344.1	0.605	(0.018)	1.762	(0.067)	0.878	(0.048)
PNEUMOCOCCAL SEPTICEMIA 0382	1989	645	265	12.9	1.178	(0.142)	0.774	(0.107)	0.775	(0.120)
	1988	567	220	22.3	1.064	(0.135)	0.771	(0.104)	0.657	(0.113)
	1987	574	255	60.6*	0.691	(0.042)	1.748	(0.134)	0.748	(0.103)
ANAEROBIC SEPTICEMIA 0383	1989	1,126	562	13.5	0.799	(0.072)	1.149	(0.136)	1.238	(0.133)
	1988	1,175	581	6.1	0.843	(0.066)	1.268	(0.127)	0.850	(0.121)
	1987	1,078	534	8.7	0.828	(0.075)	1.103	(0.127)	1.190	(0.130)
GRAM-NEG SEPTICEMIA NOS 03840	1989	3,365	1,409	107.0	1.448	(0.080)	0.585	(0.037)	0.923	(0.056)
	1988	3,938	1,740	77.8	1.313	(0.064)	0.667	(0.039)	0.939	(0.055)
	1987	4,322	2,005	71.7	1.380	(0.065)	0.660	(0.037)	1.025	(0.055)
H. INFLUENZAE SEPTICEMIA 03841	1989	249	85	22.9*	0.684	(0.059)	1.592	(0.166)	0.819	(0.122)
	1988	271	94	19.3	0.706	(0.139)	1.052	(0.233)	0.509	(0.157)
	1987	260	91	16.6	0.842	(0.179)	0.748	(0.172)	0.758	(0.175)
PSEUDOMONAS SEPTICEMIA 03843	1989	1,936	873	45.8	0.668	(0.051)	1.139	(0.111)	1.022	(0.083)
	1988	1,868	896	22.9	0.753	(0.049)	1.158	(0.090)	0.952	(0.086)
	1987	1,868	933	55.4	0.619	(0.045)	1.336	(0.135)	1.104	(0.100)
SERRATIA SEPTICEMIA 03844	1989	225	83	18.1	0.491	(0.128)	1.143	(0.361)	0.897	(0.203)
	1988	243	105	64.5*	0.604	(0.044)	1.983	(0.190)	0.774	(0.130)
	1987	224	93	15.9	0.452	(0.086)	2.099	(0.600)	0.573	(0.320)
GRAM-NEG SEPTICEMIA NEC 03849	1989	4,390	1,687	200.3	0.589	(0.031)	1.154	(0.075)	0.901	(0.052)
	1988	4,461	1,872	171.7	0.578	(0.027)	1.364	(0.080)	0.886	(0.056)
	1987	4,132	1,789	170.3	0.559	(0.027)	1.457	(0.085)	0.893	(0.059)
SEPTICEMIA NEC 0388	1989	4,350	1,973	39.3	0.760	(0.034)	1.259	(0.070)	0.888	(0.058)
	1988	3,743	1,742	53.5	0.715	(0.034)	1.254	(0.077)	0.958	(0.065)
	1987	3,245	1,480	87.6	0.627	(0.035)	1.310	(0.099)	1.004	(0.072)
SEPTICEMIA NOS 0389	1989	21,368	11,297	1151.4	1.888	(0.035)	0.619	(0.014)	1.136	(0.027)
	1988	20,116	10,798	1100.3	1.878	(0.036)	0.612	(0.014)	1.130	(0.028)
	1987	18,675	10,190	939.1	1.813	(0.035)	0.639	(0.015)	1.121	(0.029)
HIV W/SPECIF INFECTIONS 0420	1989	128	74	74.8	0.926	(0.288)	2.037	(0.807)	4.851	(1.270)
	1988	99	65	61.7	1.468	(0.351)	1.954	(0.627)	3.888	(1.449)
	1987	81	54	54.7	0.995	(0.258)	3.408	(2.171)	2.976	(2.784)
HIV CAUS OTH SPEC INFECT 0421	1989	94	59	74.6	0.867	(0.414)	1.588	(1.107)	6.921	(1.575)
	1988	53	37	42.9	0.909	(0.490)	1.607	(1.322)	6.762	(2.215)
	1987	49	35	60.6*	0.691	(0.042)	1.748	(0.134)	0.748	(0.103)
AIDS, UNSPECIFIED 0429	1989	132	86	91.8	0.954	(0.179)	5.831	(2.608)	0.838	(2.128)
	1988	115	77	74.1	1.305	(0.354)	1.983	(1.025)	4.276	(1.697)
	1987	79	58	62.6	1.700	(0.439)	2.060	(0.830)	4.127	(2.172)
JAKOB-CREUTZFELDT DIS 0461	1989	54	42	66.5	0.861	(0.345)	5.863	(2.635)	1.850	(4.705)
	1988	74	55	68.5	0.879	(0.198)	6.038	(2.325)	0.179	(2.166)
	1987	71	53	60.6*	0.691	(0.042)	1.748	(0.134)	0.748	(0.103)
THRUSH 1120	1989	136	40	32.6	0.117	(0.084)	2.054	(1.015)	1.124	(0.303)
	1988	165	55	29.3	0.212	(0.081)	2.309	(0.936)	0.980	(0.332)
	1987	153	53	31.0	0.185	(0.078)	2.455	(1.275)	0.991	(0.374)
CANDIDIASIS UROGENITAL NEC 1122	1989	169	47	54.9	0.148	(0.047)	5.771	(2.796)	0.220	(0.441)
	1988	158	39	61.7	0.113	(0.047)	3.907	(1.890)	0.479	(0.317)
	1987	108	38	22.2	0.218	(0.086)	2.760	(1.287)	0.869	(0.446)
CANDIDIASIS OF LUNG 1124	1989	1,245	513	131.3	0.449	(0.033)	2.491	(0.241)	0.438	(0.122)
	1988	1,056	455	59.4	0.572	(0.046)	1.802	(0.168)	0.621	(0.114)
	1987	831	338	68.2	0.497	(0.047)	1.966	(0.209)	0.586	(0.124)
DISSEMINATED CANDIDIASIS 1125	1989	138	87	32.7	0.571	(0.105)	3.547	(1.067)	0.710	(0.568)
	1988	111	68	18.3	0.700	(0.148)	2.480	(0.699)	0.980	(0.585)
	1987	87	50	14.6	0.747	(0.154)	2.744	(0.815)	0.055	(0.375)
CANDIDIASIS SITE NEC 11289	1989	281	90	57.4	0.182	(0.052)	3.111	(1.178)	0.850	(0.270)
	1988	234	63	53.2	0.176	(0.062)	2.077	(0.814)	0.834	(0.240)
	1987	233	70	34.0	0.309	(0.116)	0.997	(0.375)	1.161	(0.213)
ASPERGILLLOSIS 1173	1989	283	119	30.3	0.498	(0.080)	2.868	(0.671)	0.572	(0.326)
	1988	255	112	27.1	0.491	(0.095)	2.316	(0.484)	1.116	(0.325)
	1987	179	64	22.1	0.567	(0.108)	2.375	(0.488)	0.195	(0.250)
CRYPTOCOCCOSIS 1175	1989	234	113	45.2	0.502	(0.077)	4.340	(1.197)	0.348	(0.395)
	1988	255	119	64.5*	0.604	(0.044)	1.983	(0.190)	0.774	(0.130)
	1987	238	118	60.6*	0.691	(0.042)	1.748	(0.134)	0.748	(0.103)
PNEUMOCYSTOSIS 1363	1989	722	310	46.9	0.813	(0.079)	1.937	(0.215)	0.731	(0.169)
	1988	605	272	43.7	0.836	(0.080)	1.934	(0.220)	0.439	(0.166)
	1987	504	225	25.9	0.780	(0.089)	1.941	(0.281)	0.532	(0.188)
ESTIMATE IMPUTED										
UNSPECIFIED CODES										
USED TO IMPUTE ESTIMATES)										
	1989	1,203	482	22.9	0.684	(0.059)	1.592	(0.166)	0.819	(0.122)
	1988	1,482	637	64.5	0.604	(0.044)	1.983	(0.190)	0.774	(0.130)
	1987	1,924	870	60.6	0.691	(0.042)	1.748	(0.134)	0.748	(0.103)

TABLE 4B
ICO-9-CM ESTIMATE AND STANDARD ERROR
VERY SEVERE DISORDERS: NEOPLASTIC DISEASES

ICO-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS		INITIAL	PERSISTENCE		LONG TERM
MAL NEO CERVICAL ESOPHAG 1500	1989	127	66	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	139	75	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	163	101	15.1	0.671	(0.365)	0.268	(0.183)	1.918	(0.253)
MAL NEO UPPER 3RD ESOPH 1503	1989	318	193	12.4	0.549	(0.128)	2.051	(1.094)	1.097	(0.516)
	1988	318	215	15.1	0.710	(0.129)	2.880	(1.208)	0.791	(0.480)
	1987	348	225	12.5	0.610	(0.150)	0.820	(0.321)	1.741	(0.263)
MAL NEO MIDDLE 3RD ESOPH 1504	1989	618	373	31.1	0.462	(0.085)	1.395	(0.614)	1.387	(0.296)
	1988	698	424	23.9	0.607	(0.078)	2.085	(0.518)	0.859	(0.236)
	1987	698	427	25.7	0.526	(0.084)	1.589	(0.505)	1.265	(0.254)
MAL NEO LOWER 3RD ESOPH 1505	1989	1,240	713	38.4	0.650	(0.058)	1.809	(0.393)	0.699	(0.217)
	1988	1,250	720	64.0	0.553	(0.054)	2.180	(0.462)	0.720	(0.182)
	1987	1,268	747	52.1	0.549	(0.059)	1.794	(0.393)	0.926	(0.185)
MAL NEO ESOPHAGUS NEC 1508	1989	544	377	12.1	0.724	(0.097)	1.437	(0.391)	1.262	(0.291)
	1988	530	377	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	468	337	12.3	0.884	(0.123)	1.283	(0.545)	1.356	(0.455)
MAL NEO ESOPHAGUS NOS 1509	1989	870	649	45.7	1.442	(0.123)	0.851	(0.167)	1.332	(0.222)
	1988	968	705	37.4	1.421	(0.114)	0.839	(0.125)	1.249	(0.167)
	1987	1,002	744	41.4	1.347	(0.122)	0.750	(0.160)	1.531	(0.218)
MAL NEO STOMACH CARCINOMA 1510	1989	1,778	909	121.2	0.576	(0.047)	1.276	(0.216)	0.783	(0.125)
	1988	1,704	918	118.6	0.481	(0.049)	1.308	(0.256)	0.995	(0.129)
	1987	1,645	918	75.3	0.605	(0.053)	1.601	(0.256)	0.746	(0.147)
MALIGNANT NEO PYLORUS 1511	1989	286	125	53.8	0.640	(0.118)	0.948	(0.377)	0.451	(0.248)
	1988	311	121	82.8	0.503	(0.108)	0.889	(0.397)	0.521	(0.223)
	1987	301	124	74.6	0.401	(0.092)	1.325	(0.648)	0.527	(0.260)
MAL NEO PYLORIC ANTRUM 1512	1989	1,539	705	266.5	0.473	(0.042)	1.349	(0.251)	0.576	(0.131)
	1988	1,556	672	341.8	0.439	(0.040)	1.673	(0.282)	0.409	(0.125)
	1987	1,557	689	348.7	0.477	(0.040)	1.743	(0.305)	0.307	(0.129)
MAL NEO STOMACH FUNDOUS 1513	1989	351	219	23.5	0.688	(0.134)	3.877	(1.552)	0.075	(0.604)
	1988	335	194	38.7	0.433	(0.105)	3.175	(1.553)	0.620	(0.437)
	1987	435	266	16.6	0.584	(0.110)	1.089	(0.307)	1.137	(0.243)
MAL NEO STOMACH BODY 1514	1989	611	320	57.4	0.619	(0.066)	1.841	(0.504)	0.329	(0.245)
	1988	616	323	55.6	0.587	(0.075)	1.377	(0.280)	0.629	(0.186)
	1987	574	319	45.4	0.524	(0.081)	1.681	(0.508)	0.723	(0.255)
MAL NEO STOM LESSER CURV 1515	1989	629	237	185.3	0.446	(0.060)	1.221	(0.369)	0.381	(0.160)
	1988	616	239	171.4	0.435	(0.061)	1.296	(0.311)	0.408	(0.137)
	1987	618	221	217.7	0.395	(0.062)	1.302	(0.335)	0.353	(0.144)
MAL NEO STOM GREAT CURV 1516	1989	317	133	65.3	0.480	(0.097)	1.158	(0.418)	0.540	(0.249)
	1988	372	147	100.9	0.549	(0.075)	1.584	(0.452)	0.080	(0.218)
	1987	339	149	65.9	0.431	(0.107)	0.953	(0.276)	0.757	(0.174)
MALIG NEOPL STOMACH NEC 1518	1989	2,177	1,274	61.8	0.723	(0.044)	1.395	(0.193)	0.705	(0.149)
	1988	2,067	1,199	68.2	0.772	(0.044)	1.525	(0.210)	0.487	(0.141)
	1987	1,911	1,122	59.9	0.748	(0.051)	1.107	(0.136)	0.807	(0.115)
MALIG NEOPL STOMACH NOS 1519	1989	2,146	1,433	16.0	1.239	(0.066)	0.798	(0.084)	1.039	(0.122)
	1988	2,259	1,501	18.2	1.254	(0.067)	0.772	(0.078)	1.071	(0.114)
	1987	2,648	1,800	15.4	1.190	(0.058)	0.894	(0.076)	1.032	(0.104)
MALIG NEO GALLBLADDER 1560	1989	1,250	862	15.9	0.887	(0.067)	1.641	(0.255)	0.725	(0.267)
	1988	1,257	875	17.7	0.766	(0.073)	1.140	(0.154)	1.487	(0.197)
	1987	1,313	945	36.8	0.786	(0.081)	0.888	(0.121)	1.869	(0.173)
MAL NEO EXTRAHEPATIC DUCTS 1561	1989	1,020	620	18.7	0.791	(0.063)	1.469	(0.222)	0.648	(0.170)
	1988	1,087	631	24.1	0.803	(0.065)	1.278	(0.173)	0.658	(0.146)
	1987	1,023	658	5.0	0.908	(0.074)	1.352	(0.199)	0.808	(0.181)
MAL NEO AMPULLA OF VATER 1562	1989	578	219	158.0	0.672	(0.096)	0.669	(0.120)	0.474	(0.093)
	1988	572	225	119.2	0.574	(0.088)	0.833	(0.196)	0.561	(0.121)
	1987	561	232	110.9	0.776	(0.096)	0.836	(0.136)	0.371	(0.096)
MALIG NEO BILIARY NOS 1569	1989	129	106	16.8	1.167	(0.256)	2.248	(1.138)	0.844	(1.066)
	1988	109	91	18.0	1.456	(0.385)	0.756	(0.384)	2.313	(0.721)
	1987	140	119	29.6	1.153	(0.319)	1.174	(0.477)	2.558	(0.874)
MAL NEO PANCREAS HEAD 1570	1989	5,950	3,976	88.3	0.799	(0.032)	1.243	(0.107)	1.335	(0.099)
	1988	5,991	4,017	77.1	0.824	(0.032)	1.345	(0.103)	1.184	(0.093)
	1987	6,080	4,153	148.3	0.783	(0.034)	1.246	(0.100)	1.478	(0.093)
MAL NEO PANCREAS BODY 1571	1989	692	551	83.4	0.640	(0.113)	1.622	(0.579)	2.449	(0.472)
	1988	739	575	68.6	0.732	(0.109)	1.662	(0.527)	2.000	(0.414)
	1987	815	649	94.5	0.609	(0.109)	1.509	(0.453)	2.403	(0.350)
MAL NEO PANCREAS TAIL 1572	1989	519	430	65.4	1.002	(0.147)	1.719	(0.460)	1.801	(0.597)
	1988	538	440	68.3	0.922	(0.143)	1.540	(0.499)	2.119	(0.554)
	1987	491	405	60.5	0.933	(0.157)	1.462	(0.415)	2.044	(0.481)
MAL NEO PANCREATIC DUCT 1573	1989	103	66	12.5	0.210	(0.202)	1.554	(1.723)	2.024	(0.656)
	1988	147	97	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	110	68	16.1*	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)
MAL NEO ISLET LANGERHANS 1574	1989	76	35	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	90	44	20.2	0.663	(0.357)	0.268	(0.168)	1.297	(0.293)
	1987	107	50	16.1*	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)
MALIG NEO PANCREAS NEC 1578	1989	1,473	1,146	110.2	1.075	(0.077)	1.347	(0.207)	1.546	(0.282)
	1988	1,463	1,187	147.4	1.206	(0.084)	1.007	(0.138)	1.891	(0.214)
	1987	1,278	1,018	127.1	0.890	(0.087)	1.139	(0.230)	2.187	(0.264)
MALIG NEO PANCREAS NOS 1579	1989	2,885	2,446	632.3	1.782	(0.071)	0.894	(0.076)	1.881	(0.186)
	1988	3,063	2,572	595.0	1.764	(0.068)	0.971	(0.075)	1.577	(0.163)
	1987	3,242	2,690	589.0	1.804	(0.068)	0.903	(0.067)	1.551	(0.153)
MALIG NEO INTESTINE NOS 1590	1989	109	75	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	142	95	11.5	1.824	(0.308)	0.614	(0.184)	0.617	(0.456)
	1987	131	82	16.1*	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)

* ESTIMATE IMPUTED

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

VERY SEVERE DISORDERS: NEOPLASTIC DISEASES

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL		PERSISTENCE		LONG TERM	
MAL NED GI TRACT ILL-DEF 1599	1989	110	87	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	95	76	14.5	2.019	(0.469)	0.592	(0.297)	1.709	(0.827)
	1987	118	99	17.8	1.637	(0.326)	1.085	(0.594)	1.297	(1.193)
MALIG NED MAIN BRONCHUS 1622	1989	4,447	3,106	53.9	1.128	(0.043)	0.954	(0.077)	1.237	(0.103)
	1988	4,875	3,408	62.3	1.126	(0.042)	0.957	(0.076)	1.242	(0.095)
	1987	5,010	3,537	90.4	1.128	(0.044)	0.884	(0.071)	1.401	(0.093)
MAL NED BRONCH/LUNG NEC 1628	1989	5,722	4,225	262.8	1.435	(0.046)	0.761	(0.053)	1.432	(0.095)
	1988	5,519	4,077	292.5	1.529	(0.048)	0.780	(0.048)	1.277	(0.084)
	1987	5,140	3,781	245.3	1.537	(0.050)	0.788	(0.056)	1.182	(0.091)
MAL NED BRONCH/LUNG NOS 1629	1989	12,730	9,911	1787.8	2.075	(0.040)	0.593	(0.021)	1.470	(0.057)
	1988	13,583	10,620	1818.3	2.017	(0.038)	0.629	(0.022)	1.434	(0.054)
	1987	14,658	11,408	1819.9	2.003	(0.039)	0.594	(0.022)	1.507	(0.051)
MAL NED PARIETAL PLEURA 1630	1989	54	29	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	76	38	14.8	0.131	(0.205)	0.856	(1.902)	1.402	(0.362)
	1987	77	34	13.2	0.422	(0.202)	1.984	(1.884)	0.461	(0.646)
MALIG NEOPL PLEURA NEC 1638	1989	271	170	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	285	170	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	226	139	19.1	0.602	(0.147)	4.171	(1.902)	0.255	(0.578)
MALIGNANT NEDPL THYMUS 1640	1989	82	14	59.4	1.498	(0.861)	0.112	(0.057)	0.309	(0.126)
	1988	86	25	21.2	0.668	(0.201)	1.366	(0.729)	0.007	(0.288)
	1987	80	20	41.7	1.343	(0.858)	0.104	(0.056)	0.534	(0.148)
MAL NED SDFT TIS A800MEN 1715	1989	211	87	27.9	0.589	(0.121)	1.697	(1.012)	0.232	(0.535)
	1988	187	89	11.4	0.753	(0.153)	1.230	(0.468)	0.487	(0.321)
	1987	196	105	16.1*	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)
MAL NED SDFT TISSUE NOS 1719	1989	52	36	12.9	3.085	(0.894)	0.327	(0.119)	1.021	(0.457)
	1988	57	35	13.0	3.941	(1.530)	0.210	(0.120)	1.237	(0.545)
	1987	50	30	16.1*	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)
MAL NED HEAD/FACE/NECK 1950	1989	600	244	85.7	0.892	(0.175)	0.400	(0.120)	0.847	(0.113)
	1988	668	264	87.6	0.904	(0.160)	0.427	(0.110)	0.817	(0.102)
	1987	780	298	119.8	0.797	(0.111)	0.708	(0.179)	0.532	(0.112)
MALIGN NEOPL THORAX 1951	1989	188	89	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	201	103	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	262	122	16.4	0.805	(0.123)	1.747	(0.609)	0.160	(0.253)
MALIG NED A800MEN 1952	1989	504	408	55.8	1.430	(0.150)	0.885	(0.182)	1.823	(0.408)
	1988	537	439	77.3	1.590	(0.149)	0.987	(0.177)	1.548	(0.369)
	1987	589	476	79.8	1.583	(0.146)	1.045	(0.184)	1.401	(0.385)
MALIGN NEDPL PELVIS 1953	1989	267	135	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	289	136	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	299	141	22.5	0.745	(0.188)	0.607	(0.294)	0.992	(0.238)
MALIGN NEDPL ARM 1954	1989	70	16	35.5	0.215	(0.131)	1.775	(2.332)	0.277	(0.399)
	1988	65	4	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	90	15	60.7	0.245	(0.207)	0.502	(0.421)	0.329	(0.134)
MALIGN NEDPL LEG 1955	1989	90	13	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	124	22	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	117	14	90.5	0.170	(0.147)	0.650	(0.807)	0.226	(0.128)
MAL NED LYMPH INTRA-A8D 1962	1989	563	325	33.6	0.677	(0.107)	0.623	(0.153)	1.350	(0.187)
	1988	536	319	12.3	0.871	(0.118)	0.720	(0.163)	1.109	(0.187)
	1987	570	368	16.1*	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)
SECONDARY MALIG NED LUNG 1970	1989	6,482	4,379	294.8	1.627	(0.044)	0.669	(0.036)	0.841	(0.072)
	1988	6,724	4,591	333.6	1.679	(0.045)	0.665	(0.034)	0.868	(0.065)
	1987	7,055	4,918	390.1	1.745	(0.047)	0.658	(0.034)	0.919	(0.063)
SEC MAL NED MEDIASTINUM 1971	1989	389	257	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	428	261	15.3	0.696	(0.103)	2.143	(0.783)	0.419	(0.443)
	1987	480	304	16.1*	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)
SECNDND MALIG NED PLEURA 1972	1989	7,369	5,177	76.2	0.803	(0.025)	1.140	(0.083)	0.996	(0.093)
	1988	6,860	4,872	59.0	0.810	(0.026)	1.126	(0.078)	1.017	(0.081)
	1987	6,386	4,429	97.6	0.775	(0.027)	1.169	(0.093)	0.925	(0.082)
SEC MALIG NED SM BDWEL 1974	1989	1,121	728	78.3	0.496	(0.059)	1.422	(0.309)	1.225	(0.235)
	1988	1,178	745	107.8	0.507	(0.058)	2.155	(0.440)	0.766	(0.223)
	1987	994	623	79.7	0.527	(0.063)	1.497	(0.332)	0.876	(0.205)
SEC MALIG NED LG BDWEL 1975	1989	1,435	805	91.4	0.727	(0.049)	1.308	(0.234)	0.469	(0.192)
	1988	1,461	831	97.2	0.661	(0.049)	1.451	(0.277)	0.551	(0.181)
	1987	1,431	837	83.6	0.673	(0.055)	2.093	(0.411)	0.343	(0.215)
SEC MAL NED PERITONEUM 1976	1989	4,431	3,285	97.9	1.173	(0.041)	1.125	(0.085)	1.053	(0.144)
	1988	4,429	3,317	106.7	1.157	(0.041)	1.402	(0.107)	0.764	(0.141)
	1987	4,176	3,138	137.1	1.205	(0.044)	1.694	(0.132)	0.475	(0.145)
SEC MAL NED GI NEC 1978	1989	1,084	830	30.4	0.897	(0.078)	1.268	(0.233)	1.467	(0.281)
	1988	1,124	876	34.9	0.945	(0.077)	1.449	(0.236)	1.221	(0.256)
	1987	1,075	828	27.6	1.061	(0.084)	1.441	(0.260)	0.971	(0.284)
SEC MAL NED BRAIN/SPINE 1983	1989	9,059	7,065	357.7	0.696	(0.027)	1.739	(0.136)	1.422	(0.123)
	1988	8,868	7,017	444.7	0.635	(0.027)	1.727	(0.132)	1.624	(0.106)
	1987	8,417	6,640	389.5	0.596	(0.030)	1.638	(0.137)	1.626	(0.103)
SEC MALIG NED NERVE NEC 1984	1989	924	683	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	934	670	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	975	710	14.4	0.715	(0.081)	1.340	(0.254)	1.146	(0.234)
SECONDARY MALIG NED BDNE 1985	1989	17,225	10,708	841.3	0.610	(0.015)	1.309	(0.066)	0.925	(0.051)
	1988	17,508	10,741	984.6	0.571	(0.015)	1.231	(0.063)	0.995	(0.043)
	1987	17,329	10,564	1117.2	0.544	(0.015)	1.299	(0.070)	0.950	(0.044)
SECNDND MALIG NED BREAST 19881	1989	271	110	50.1	1.010	(0.185)	0.529	(0.135)	0.493	(0.180)
	1988	325	132	57.6	1.222	(0.209)	0.440	(0.097)	0.547	(0.143)
	1987	361	140	63.5	1.290	(0.224)	0.439	(0.103)	0.506	(0.126)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
VERY SEVERE DISORDERS: NEOPLASMIC DISEASES

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
SECONDARY MALIGNANT NEC 19889	1989	5,811	3,395	83.7	0.951	(0.029)	1.149	(0.091)	0.553	(0.088)
	1988	6,031	3,556	81.2	0.906	(0.029)	1.247	(0.110)	0.583	(0.088)
	1987	5,951	3,489	100.2	0.888	(0.029)	1.787	(0.187)	0.273	(0.125)
MULTIPLE MYELOMA 2030	1989	4,694	2,465	199.7	0.808	(0.032)	1.113	(0.076)	0.598	(0.060)
	1988	4,887	2,582	176.8	0.836	(0.033)	1.060	(0.064)	0.644	(0.052)
	1987	5,017	2,559	294.0	0.796	(0.029)	1.165	(0.075)	0.479	(0.058)
IMMUNOPROLIFERATIVE NEC 2038	1989	163	56	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	180	53	77.9	0.272	(0.093)	3.899	(2.752)	0.031	(0.384)
	1987	149	52	16.1*	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)
CHRONIC LYMPHOID LEUKEMIA 2041	1989	1,678	797	147.6	0.989	(0.070)	0.765	(0.084)	0.549	(0.074)
	1988	1,781	806	198.2	0.940	(0.069)	0.703	(0.076)	0.575	(0.067)
	1987	1,954	863	249.3	0.873	(0.060)	0.774	(0.081)	0.504	(0.067)
CHRONIC MYELOID LEUKEMIA 2051	1989	1,057	680	34.0	1.593	(0.131)	0.639	(0.079)	1.202	(0.132)
	1988	967	598	16.6	1.363	(0.135)	0.572	(0.085)	1.367	(0.138)
	1987	1,076	662	25.3	1.467	(0.122)	0.583	(0.068)	1.112	(0.116)
MYELOID LEUKEMIA NOS 2059	1989	51	46	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	56	44	19.1	3.641	(1.024)	0.383	(0.137)	1.446	(0.514)
	1987	77	57	16.1*	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)
LEUKEMIA-UNSPECIFIED CELL NOS 2089	1989	99	72	14.5	2.303	(0.493)	0.632	(0.203)	0.919	(0.424)
	1988	116	84	11.5	2.138	(0.574)	0.480	(0.261)	1.546	(0.634)
	1987	115	80	16.0	2.430	(0.520)	0.445	(0.135)	1.250	(0.414)
CARCINOMA IN SITU BRONCHUS/LUNG 2312	1989	57	23	14.9*	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	78	39	26.1*	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	77	29	16.0	1.265	(0.996)	0.103	(0.074)	1.047	(0.222)
* ESTIMATE IMPUTED										
UNSPECIFIED CODES										
(USED TO IMPUTE ESTIMATES)										
	1989	4,933	3,069	14.9	0.894	(0.034)	1.079	(0.089)	0.941	(0.089)
	1988	4,986	3,057	26.1	0.851	(0.033)	1.202	(0.108)	0.874	(0.086)
	1987	4,055	2,550	16.1	0.889	(0.037)	1.254	(0.121)	0.799	(0.104)

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR
VERY SEVERE DISORDERS: OTHER DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK				LONG TERM	
					EXCESS	INITIAL	PERSISTENCE			
PNEUMOCOCCAL MENINGITIS 3201	1989	313	145	25.1	2.208	(0.333)	0.577	(0.090)	1.313	(0.262)
	1988	343	167	40.7	1.967	(0.228)	0.846	(0.093)	0.507	(0.173)
	1987	326	147	39.5	2.042	(0.262)	0.626	(0.075)	0.473	(0.144)
STREPTOCOCCAL MENINGITIS 3202	1989	207	88	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	210	71	14.7	1.287	(0.253)	0.847	(0.180)	0.251	(0.192)
	1987	180	86	23.9	1.626	(0.264)	0.931	(0.145)	0.163	(0.133)
BACTERIAL MENINGITIS NOS 3209	1989	247	85	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	230	74	45.8*	1.348	(0.081)	0.780	(0.053)	0.784	(0.076)
	1987	232	76	20.4	0.826	(0.166)	0.819	(0.159)	0.513	(0.155)
PSEUDOTUMOR CEREBRI 3482	1989	83	15	23.0	0.077	(0.155)	0.591	(0.930)	1.340	(0.382)
	1988	91	13	45.8*	1.348	(0.081)	0.780	(0.053)	0.784	(0.076)
	1987	81	15	93.0*	1.155	(0.066)	0.743	(0.046)	0.681	(0.059)
CEREBRAL EDEMA 3485	1989	129	87	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	142	64	12.2	0.463	(0.147)	1.172	(0.469)	1.433	(0.343)
	1987	165	90	28.9	0.323	(0.075)	2.409	(0.965)	1.207	(0.453)
LOWER NEPHRON NEPHROSIS 5845	1989	760	318	29.3	0.620	(0.059)	1.574	(0.169)	0.684	(0.144)
	1988	733	338	32.5	0.629	(0.057)	1.737	(0.188)	0.649	(0.146)
	1987	721	338	29.6	0.679	(0.060)	1.614	(0.173)	0.403	(0.122)
AC RENAL FAILURE NEC 5848	1989	411	208	46.5	0.463	(0.057)	2.729	(0.599)	0.756	(0.358)
	1988	410	197	27.4	0.504	(0.067)	1.848	(0.338)	0.880	(0.232)
	1987	380	195	31.5	0.477	(0.066)	1.842	(0.362)	0.905	(0.235)
ACUTE RENAL FAILURE NOS 5849	1989	13,172	6,637	83.3	0.859	(0.019)	1.236	(0.035)	1.003	(0.041)
	1988	12,561	6,606	96.0	0.861	(0.019)	1.275	(0.036)	0.965	(0.038)
	1987	11,299	6,134	89.4	0.831	(0.019)	1.286	(0.037)	0.874	(0.041)
RENAL FAILURE NOS 586	1989	4,636	2,428	22.5	0.992	(0.036)	1.142	(0.050)	0.997	(0.065)
	1988	5,386	2,879	33.2	0.907	(0.032)	1.170	(0.053)	1.108	(0.060)
	1987	6,063	3,342	16.1	0.916	(0.029)	1.117	(0.045)	1.053	(0.056)
COMA AND STUPOR 7800	1989	2,247	622	307.7	0.728	(0.065)	0.616	(0.064)	0.756	(0.066)
	1988	2,459	750	315.3	0.821	(0.070)	0.567	(0.057)	0.777	(0.058)
	1987	2,733	869	391.5	0.716	(0.055)	0.647	(0.059)	0.747	(0.056)
FEEDING PROBLEM 7833	1989	313	95	81.7	0.221	(0.069)	1.184	(0.393)	1.118	(0.187)
	1988	314	105	106.9	0.095	(0.042)	2.848	(3.459)	1.035	(0.375)
	1987	285	92	93.0*	1.155	(0.066)	0.743	(0.046)	0.681	(0.059)
RESPIRATORY ARREST 7991 RESPIRATORY FAILURE	1989	2,256	1,413	427.3	2.562	(0.122)	0.592	(0.033)	1.588	(0.123)
	1988	3,304	2,098	567.5	2.413	(0.095)	0.601	(0.028)	1.697	(0.099)
	1987	15,541	8,760	368.6	1.298	(0.026)	0.910	(0.022)	1.320	(0.041)
CL SKL BASE FX/CEREB LAC 80110	1989	51	11	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	55	14	45.8*	1.348	(0.081)	0.780	(0.053)	0.784	(0.076)
	1987	54	10	25.0	0.099	(0.067)	3.063	(2.306)	0.422	(0.512)
CL SKUL BASE FX W/O COMA 80111	1989	59	8	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	51	5	28.0	0.149	(0.123)	1.216	(0.821)	0.185	(0.192)
	1987	36	7	93.0*	1.155	(0.066)	0.743	(0.046)	0.681	(0.059)
80121	1989	72	20	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	63	12	14.5	0.377	(0.177)	1.270	(0.544)	0.225	(0.234)
	1987	66	20	18.1	0.209	(0.094)	2.583	(2.144)	0.471	(0.683)
CL SKUL BASE FX/BRF COMA 80122	1989	56	16	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	63	10	17.8	0.574	(0.305)	0.641	(0.273)	0.272	(0.197)
	1987	56	15	93.0*	1.155	(0.066)	0.743	(0.046)	0.681	(0.059)
CL SKL BASE FX-DEEP COMA 80125	1989	111	101	187.7	7.532	(1.168)	0.645	(0.139)	4.526	(1.837)
	1988	95	94	232.5	8.107	(1.329)	0.767	(0.297)	21.966	(13.07)
	1987	82	76	121.0	6.794	(1.411)	0.454	(0.130)	8.517	(2.596)
BRAIN INJ NEC-DEEP COMA 85405	1989	60	54	94.2	5.050	(1.062)	1.112	(0.332)	5.430	(3.258)
	1988	84	74	45.8*	1.348	(0.081)	0.780	(0.053)	0.784	(0.076)
	1987	74	64	35.0*	1.155	(0.066)	0.743	(0.046)	0.681	(0.059)
INTRA-ABDOM INJ NOS-CLOS 86800	1989	62	16	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	90	13	29.8	3.514	(2.028)	0.070	(0.031)	0.533	(0.217)
	1987	93	23	26.3	2.235	(0.789)	0.276	(0.091)	0.323	(0.186)
RETROPERITONEUM INJ-CL 86804	1989	90	29	15.0	1.842	(0.564)	0.456	(0.126)	0.412	(0.238)
	1988	80	24	45.8*	1.348	(0.081)	0.780	(0.053)	0.784	(0.076)
	1987	81	28	93.0*	1.155	(0.066)	0.743	(0.046)	0.681	(0.059)
OPEN WOUND CHEST-COMPL 8751	1989	51	3	22.2	2.998	(5.423)	0.024	(0.037)	0.322	(0.228)
	1988	56	7	17.4	1.060	(0.750)	0.278	(0.175)	0.357	(0.255)
	1987	60	8	28.1	1.515	(0.811)	0.242	(0.095)	0.127	(0.127)
F8 TRACH/BRONCH/LUNG NEC 9348	1989	350	139	18.4	0.536	(0.095)	1.365	(0.344)	0.895	(0.267)
	1988	318	116	33.6	0.452	(0.100)	1.067	(0.280)	1.101	(0.199)
	1987	366	129	37.1	0.529	(0.106)	1.056	(0.288)	0.774	(0.192)
F8 RESPIRATORY TREE NOS 9349	1989	165	68	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	155	80	45.8*	1.348	(0.081)	0.780	(0.053)	0.784	(0.076)
	1987	171	63	18.6	1.391	(0.394)	0.322	(0.093)	1.178	(0.238)
3RD DEG BURN MULT SITE 9463	1989	443	176	18.6	1.087	(0.129)	1.369	(0.171)	0.263	(0.160)
	1988	482	187	12.3	0.931	(0.108)	1.383	(0.166)	0.422	(0.153)
	1987	442	167	93.0*	1.155	(0.066)	0.743	(0.046)	0.681	(0.059)
TRAUMATIC SHOCK 9584	1989	86	25	66.0	10.492	(3.384)	0.061	(0.015)	0.444	(0.198)
	1988	99	28	46.9	5.280	(1.652)	0.129	(0.033)	0.493	(0.205)
	1987	103	32	65.5	4.777	(1.268)	0.142	(0.030)	0.292	(0.146)
FROSTBITE OF FOOT 9912	1989	79	7	48.5*	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	95	9	39.1	0.129	(0.087)	1.633	(1.185)	0.237	(0.203)
	1987	70	7	32.6	0.247	(0.220)	0.594	(0.486)	0.328	(0.198)
HYPOTHERMIA 9916	1989	1,141	385	96.5	1.087	(0.114)	0.549	(0.064)	0.808	(0.094)
	1988	1,235	396	178.6	1.345	(0.172)	0.322	(0.048)	0.940	(0.087)
	1987	1,126	351	229.2	1.050	(0.123)	0.409	(0.052)	0.709	(0.076)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR
VERY SEVERE DISORDERS: OTHER DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS	INITIAL	PERSISTENCE	LONG TERM		
DROWNING/NONFATAL SUBMER 9941	1989	118	26	26.1	1.199	(0.355)	0.506	(0.120)	0.195	(0.137)
	1988	164	30	41.2	1.157	(0.318)	0.450	(0.095)	0.190	(0.110)
	1987	146	30	46.4	1.693	(0.482)	0.332	(0.078)	0.184	(0.111)
* ESTIMATE IMPUTED UNSPECIFIED CODES (USED TO IMPUTE ESTIMATES)	1989	2,921	1,105	48.5	1.310	(0.072)	0.736	(0.044)	0.853	(0.071)
	1988	2,521	994	45.8	1.348	(0.081)	0.780	(0.053)	0.784	(0.076)
	1987	2,787	1,037	93.0	1.155	(0.066)	0.743	(0.046)	0.681	(0.059)

TABLE 48
ICD-9-CM ESTIMATE AND STANDARD ERROR

CATASTROPHIC DISORDERS

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL		PERSISTENCE		LONG TERM	
					EXCESS					
MAL NEO LIVER, PRIMARY 1550	1989	1,794	1,438	590.1	0.361	(0.022)	3.586	(0.331)	1.849	(0.190)
	1988	1,757	1,411	528.2	0.366	(0.022)	3.487	(0.334)	1.745	(0.176)
	1987	1,745	1,409	506.8	0.386	(0.023)	3.226	(0.290)	1.795	(0.170)
MAL NED INTRAHEPAT DUCTS 1551	1989	411	320	233.3	0.195	(0.030)	8.518	(2.093)	1.462	(0.301)
	1988	450	320	203.5	0.213	(0.034)	4.224	(0.848)	1.864	(0.314)
	1987	398	308	163.8	0.304	(0.036)	6.028	(0.987)	0.775	(0.265)
MALIGNANT NEO LIVER NOS 1552	1989	546	462	211.3	0.385	(0.042)	3.399	(0.566)	2.450	(0.387)
	1988	566	479	261.0	0.358	(0.036)	4.919	(0.769)	1.806	(0.376)
	1987	656	549	206.2	0.412	(0.038)	3.411	(0.533)	1.872	(0.294)
MALIG MELANOMA SKIN NEC 1728	1989	41	20	91.7*	1.051	(0.037)	1.325	(0.060)	0.732	(0.091)
	1988	64	34	19.1	1.727	(0.843)	0.127	(0.060)	1.335	(0.297)
	1987	45	20	40.2*	0.823	(0.063)	0.943	(0.076)	0.644	(0.094)
SECONO MALIG NEO LIVER 1977	1989	10,657	8,647	1204.7	0.563	(0.013)	2.287	(0.078)	1.253	(0.059)
	1988	10,664	8,620	1304.6	0.519	(0.013)	2.292	(0.083)	1.394	(0.057)
	1987	11,056	9,041	1239.8	0.518	(0.013)	2.333	(0.090)	1.367	(0.053)
MALIG NED DISSEMINATED 1990	1989	2,536	2,275	555.5	0.708	(0.027)	2.742	(0.192)	1.484	(0.162)
	1988	2,859	2,575	722.1	0.689	(0.025)	3.057	(0.183)	1.342	(0.153)
	1987	3,075	2,767	601.8	0.705	(0.024)	2.888	(0.187)	1.215	(0.135)
MALIGNANT NEOPLASM NOS 1991	1989	2,341	1,974	234.4	0.658	(0.027)	2.228	(0.149)	1.053	(0.120)
	1988	2,561	2,109	195.9	0.690	(0.025)	2.254	(0.149)	0.728	(0.106)
	1987	2,964	2,449	260.7	0.634	(0.023)	2.378	(0.147)	0.749	(0.088)
ACUTE LYMPHDIO LEUKEMIA 2040	1989	562	442	278.0	0.398	(0.033)	4.494	(0.636)	1.175	(0.402)
	1988	534	433	251.7	0.380	(0.039)	3.528	(0.544)	2.461	(0.419)
	1987	533	419	178.6	0.410	(0.033)	4.488	(0.709)	0.789	(0.332)
ACUTE MYELOIDIO LEUKEMIA 2050	1989	3,028	2,498	1660.9	0.391	(0.015)	4.339	(0.296)	2.033	(0.205)
	1988	2,981	2,447	1481.1	0.402	(0.014)	4.674	(0.294)	1.324	(0.177)
	1987	2,705	2,210	1216.6	0.427	(0.016)	4.089	(0.267)	1.465	(0.181)
ACUTE MONOCYTIC LEUKEMIA 2060	1989	174	149	91.7*	1.051	(0.037)	1.325	(0.060)	0.732	(0.091)
	1988	162	130	63.6	0.523	(0.070)	3.498	(0.776)	0.748	(0.579)
	1987	157	135	61.3	0.557	(0.092)	2.769	(0.694)	2.448	(0.697)
ACUTE LEUKEMIA NOS 2080	1989	774	656	337.1	0.509	(0.036)	3.214	(0.377)	2.215	(0.391)
	1988	779	667	312.7	0.564	(0.034)	3.907	(0.408)	0.859	(0.342)
	1987	731	609	204.1	0.572	(0.044)	2.294	(0.271)	2.298	(0.324)
DEFIBRATION SYNDROME 2866	1989	341	243	91.7*	1.051	(0.037)	1.325	(0.060)	0.732	(0.091)
	1988	326	220	17.7	0.774	(0.089)	1.113	(0.164)	0.566	(0.153)
	1987	358	248	28.7	0.665	(0.081)	1.025	(0.156)	0.905	(0.152)
ANOXIC BRAIN DAMAGE 3481	1989	1,552	1,216	156.9	0.861	(0.037)	1.720	(0.088)	0.921	(0.126)
	1988	1,648	1,272	127.5	0.839	(0.036)	1.663	(0.088)	0.889	(0.121)
	1987	1,653	1,288	182.2	0.692	(0.030)	1.948	(0.108)	0.818	(0.123)
VENTRICULAR FIBRILLATION 42741	1989	2,626	1,650	48.6	0.978	(0.039)	0.927	(0.039)	0.689	(0.060)
	1988	2,564	1,621	61.7	0.951	(0.039)	0.884	(0.037)	0.778	(0.060)
	1987	2,501	1,589	101.8	1.047	(0.044)	0.753	(0.034)	0.839	(0.068)
CARDIAC ARREST 4275	1989	6,373	5,498	2973.9	2.963	(0.059)	0.641	(0.015)	1.213	(0.081)
	1988	7,258	6,242	2771.0	2.751	(0.053)	0.614	(0.015)	1.460	(0.079)
	1987	7,370	6,419	2687.2	2.557	(0.047)	0.683	(0.016)	1.210	(0.079)
SUBARACHNOID HEMORRHAGE 430	1989	4,697	2,900	163.9	0.784	(0.022)	1.482	(0.046)	0.548	(0.049)
	1988	4,729	2,923	118.6	0.781	(0.023)	1.395	(0.046)	0.594	(0.049)
	1987	4,527	2,839	189.0	0.721	(0.021)	1.516	(0.050)	0.491	(0.047)
INTRACEREBRAL HEMORRHAGE 431	1989	24,768	13,550	1216.6	0.823	(0.012)	0.917	(0.015)	0.721	(0.019)
	1988	24,974	14,039	1214.8	0.812	(0.012)	0.960	(0.015)	0.664	(0.018)
	1987	23,229	13,457	1112.9	0.805	(0.012)	0.976	(0.015)	0.663	(0.019)
NONTRAUM EXTRADURAL HEM 4320	1989	89	38	35.7	0.301	(0.128)	0.974	(0.505)	1.179	(0.345)
	1988	84	30	40.9	0.367	(0.172)	0.705	(0.380)	0.790	(0.258)
	1987	85	29	45.5	0.248	(0.088)	1.549	(0.692)	0.322	(0.248)
INTRACRANIAL HEMORR NOS 4329	1989	685	444	65.2	1.647	(0.119)	0.703	(0.053)	0.524	(0.112)
	1988	642	452	36.8	1.614	(0.126)	0.697	(0.061)	1.063	(0.156)
	1987	675	483	55.3	1.706	(0.125)	0.695	(0.058)	0.862	(0.148)
DISSECTING ANEURYSM 4410	1989	2,419	1,242	335.8	1.342	(0.066)	0.546	(0.028)	0.552	(0.048)
	1988	2,346	1,193	343.6	1.135	(0.056)	0.596	(0.030)	0.545	(0.045)
	1987	2,292	1,260	255.1	1.275	(0.063)	0.561	(0.029)	0.689	(0.055)
RUPTUR THORACIC ANEURYSM 4411	1989	712	514	246.2	3.174	(0.225)	0.434	(0.035)	0.940	(0.151)
	1988	706	509	241.4	3.020	(0.205)	0.435	(0.032)	0.760	(0.130)
	1987	653	507	251.9	3.181	(0.218)	0.438	(0.034)	1.103	(0.180)
RUPT ABO AORTIC ANEURYSM 4413	1989	5,903	4,005	1139.6	2.624	(0.078)	0.417	(0.015)	1.119	(0.060)
	1988	5,982	4,079	1114.1	2.541	(0.075)	0.413	(0.015)	1.113	(0.057)
	1987	5,752	4,052	1015.5	2.426	(0.071)	0.448	(0.016)	1.077	(0.061)
RUPT AORTIC ANEURYSM NOS 4415	1989	93	68	54.5	4.592	(0.871)	0.243	(0.046)	1.467	(0.482)
	1988	108	90	104.3	5.792	(0.872)	0.314	(0.051)	1.140	(0.488)
	1987	123	99	78.6	3.665	(0.526)	0.518	(0.087)	0.301	(0.303)
THORACIC AORTIC EMBOISM 4441	1989	78	43	91.7*	1.051	(0.037)	1.325	(0.060)	0.732	(0.091)
	1988	102	61	17.7*	1.147	(0.081)	0.783	(0.062)	0.877	(0.113)
	1987	94	42	22.8	1.013	(0.222)	0.711	(0.129)	0.162	(0.115)
AC VASC INSUFF INTESTINE 5570	1989	7,072	3,733	618.0	0.745	(0.020)	0.962	(0.028)	0.560	(0.030)
	1988	6,786	3,808	487.9	0.708	(0.019)	1.102	(0.033)	0.534	(0.032)
	1987	6,337	3,620	481.3	0.744	(0.020)	1.097	(0.031)	0.429	(0.031)
ACUTE NECROSIS OF LIVER 570	1989	1,215	757	60.5	0.786	(0.045)	1.068	(0.070)	0.542	(0.093)
	1988	1,205	838	15.8	0.852	(0.046)	1.097	(0.066)	0.772	(0.108)
	1987	1,160	729	68.7	0.774	(0.044)	1.092	(0.071)	0.482	(0.090)
HEPATORENAL SYNDROME 5724	1989	452	428	91.7*	1.051	(0.037)	1.325	(0.060)	0.732	(0.091)
	1988	436	407	74.0	1.087	(0.077)	1.864	(0.210)	0.860	(0.426)
	1987	452	422	80.6	0.902	(0.076)	1.803	(0.208)	2.623	(0.702)

* ESTIMATE IMPUTED

TABLE 4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

ICD-9 LABEL AND CODE	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	CATASTROPHIC DISORDERS					
					RELATIVE RISK		INITIAL	PERSISTENCE	LONG TERM	
					EXCESS					
OTH SEQUELA, CHR LIV DIS 5728	1989	900	700	21.4	0.758	(0.048)	1.263	(0.104)	1.150	(0.173)
	1988	982	763	25.3	0.747	(0.047)	1.215	(0.092)	1.300	(0.168)
	1987	1,015	813	22.2	0.784	(0.046)	1.281	(0.092)	1.169	(0.174)
SHOCK NOS 78550	1989	365	227	173.7	3.838	(0.407)	0.228	(0.024)	0.828	(0.154)
	1988	425	298	208.4	3.845	(0.358)	0.263	(0.026)	0.973	(0.173)
	1987	466	313	214.1	3.575	(0.327)	0.241	(0.023)	0.835	(0.130)
CARDIOGENIC SHOCK 78551	1989	1,563	1,344	949.3	3.760	(0.152)	0.458	(0.022)	1.110	(0.144)
	1988	1,880	1,643	1067.5	3.447	(0.127)	0.517	(0.024)	1.053	(0.140)
	1987	1,915	1,716	1115.5	3.495	(0.126)	0.490	(0.023)	1.426	(0.169)
SHOCK W/O TRAUMA NEC 78559	1989	3,635	2,679	903.8	2.638	(0.083)	0.418	(0.015)	1.052	(0.066)
	1988	4,252	3,183	867.9	2.438	(0.073)	0.445	(0.016)	1.055	(0.060)
	1987	3,786	2,847	767.3	2.435	(0.076)	0.418	(0.015)	1.162	(0.065)
SUBDURAL HEM-DEEP COMA 85225	1989	422	394	91.7*	1.051	(0.037)	1.325	(0.060)	0.732	(0.091)
	1988	447	409	172.7	1.364	(0.098)	1.711	(0.180)	2.121	(0.591)
	1987	399	368	131.2	1.213	(0.091)	1.854	(0.211)	1.734	(0.517)
BRAIN HEM NEC-DEEP COMA 85305	1989	199	184	100.2	1.596	(0.161)	1.940	(0.320)	0.662	(0.710)
	1988	163	150	80.4	2.052	(0.245)	1.134	(0.187)	3.057	(1.027)
	1987	131	118	43.5	1.470	(0.195)	1.598	(0.315)	1.282	(0.799)
* ESTIMATE IMPUTED										
UNSPECIFIED CODES										
(USED TO IMPUTE ESTIMATES)										
	1989	2,448	1,834	91.7	1.051	(0.037)	1.325	(0.060)	0.732	(0.091)
	1988	1,035	624	17.7	1.147	(0.081)	0.783	(0.062)	0.877	(0.113)
	1987	917	528	40.2	0.853	(0.063)	0.943	(0.076)	0.644	(0.094)

TABLE 4C
RELATIVE RISK BY ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER	NUMBER	CHI	RELATIVE RISK		
		OF	OF	SQUARE	INITIAL		LONG TERM
		CASES	DEATHS		EXCESS	PERSISTENCE	
		CONDITION: ACUTE MYOCARDIAL INFARCTION					
AVERAGE RISK DISORDERS	1989	43,002	9,019	0.1	1.000 (0.023)	1.000 (0.026)	1.000 (0.025)
	1988	40,881	8,737	0.1	1.000 (0.024)	1.000 (0.027)	1.000 (0.024)
	1987	38,553	8,126	0.1	1.000 (0.024)	1.000 (0.029)	1.000 (0.026)
VERY SEVERE DISORDERS							
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	160,778	59,186	0.1	1.000 (0.007)	1.000 (0.007)	1.000 (0.011)
	1988	164,838	63,251	0.1	1.000 (0.007)	1.000 (0.007)	1.000 (0.011)
	1987	170,237	66,400	0.1	1.000 (0.007)	1.000 (0.007)	1.000 (0.011)
CONDITION: CONGESTIVE HEART FAILURE							
AVERAGE RISK DISORDERS	1989	20,405	4,155	0.1	1.000 (0.043)	1.000 (0.057)	1.000 (0.034)
	1988	17,633	3,775	0.6	0.990 (0.043)	0.981 (0.052)	1.006 (0.032)
	1987	16,593	3,751	0.4	0.978 (0.045)	1.004 (0.058)	1.003 (0.032)
MODERATELY SEVERE RISK DISORDERS							
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	303,042	94,269	0.1	1.000 (0.008)	1.000 (0.011)	1.000 (0.007)
	1988	300,716	96,981	0.1	1.000 (0.008)	1.000 (0.010)	1.000 (0.007)
	1987	289,745	95,515	0.1	1.000 (0.008)	1.000 (0.010)	1.000 (0.007)
CONDITION: PNEUMONIA/INFLUENZA							
AVERAGE RISK DISORDERS	1989	22,495	3,579	0.2	1.013 (0.034)	0.994 (0.038)	0.998 (0.047)
	1988	22,902	3,897	0.1	1.003 (0.033)	0.998 (0.037)	1.000 (0.042)
	1987	21,084	3,515	0.1	1.001 (0.036)	1.001 (0.043)	0.991 (0.045)
MODERATELY SEVERE RISK DISORDERS							
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	260,214	72,279	0.1	1.000 (0.008)	1.000 (0.009)	1.000 (0.009)
	1988	250,771	71,986	0.1	1.000 (0.008)	1.000 (0.009)	1.000 (0.009)
	1987	223,491	64,217	0.1	1.000 (0.008)	1.000 (0.010)	1.000 (0.010)
CONDITION: CHRONIC OBSTRUCTIVE PULMONARY DISEASE							
LOW RISK DISORDERS							
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	48,316	6,393	52.4	0.956 (0.030)	1.095 (0.068)	1.134 (0.039)
	1988	45,399	6,238	51.6	0.996 (0.030)	1.104 (0.063)	1.105 (0.042)
	1987	41,120	6,222	29.2	0.968 (0.030)	1.043 (0.063)	1.122 (0.042)
AVERAGE RISK DISORDERS	1989	47,418	11,306	16.8	0.938 (0.022)	0.993 (0.030)	1.015 (0.022)
	1988	47,511	11,852	17.2	0.941 (0.022)	0.990 (0.030)	1.015 (0.021)
	1987	58,506	15,890	0.8	0.990 (0.018)	1.012 (0.026)	1.007 (0.021)
VERY SEVERE DISORDERS							
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	117	39	18.4	0.677 (0.203)	0.676 (0.197)	0.910 (0.351)
	1988	137	39	24.1	0.473 (0.145)	0.873 (0.239)	0.796 (0.274)
	1987	260	101	30.5	0.741 (0.142)	0.655 (0.129)	1.537 (0.361)
CONDITION: TRANSIENT CEREBRAL ISCHEMIA							
LOW RISK DISORDERS							
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	100,226	6,707	3.5	0.984 (0.040)	1.093 (0.082)	0.999 (0.028)
	1988	108,190	7,602	3.4	1.010 (0.036)	1.052 (0.068)	1.001 (0.026)
	1987	111,788	7,734	0.7	1.025 (0.038)	0.995 (0.062)	1.000 (0.024)
CONDITION: STROKE							
MODERATELY SEVERE RISK DISORDERS							
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	211,999	60,703	0.1	1.000 (0.008)	1.000 (0.010)	1.000 (0.012)
	1988	214,107	64,248	0.1	1.000 (0.008)	1.000 (0.009)	1.000 (0.011)
	1987	211,395	64,320	0.1	1.000 (0.008)	1.000 (0.009)	1.000 (0.011)
CATASTROPHIC DISORDERS	1989	24,768	13,550	0.1	1.000 (0.015)	1.000 (0.016)	1.000 (0.026)
	1988	24,974	14,039	0.1	1.000 (0.014)	1.000 (0.016)	1.000 (0.027)
	1987	23,230	13,458	0.1	1.000 (0.014)	1.000 (0.016)	1.000 (0.028)
CONDITION: HIP FRACTURE							
AVERAGE RISK DISORDERS	1989	157,298	23,902	0.2	0.998 (0.014)	1.002 (0.020)	0.994 (0.022)
	1988	158,787	24,777	0.2	0.996 (0.013)	0.999 (0.020)	1.002 (0.025)
	1987	151,243	23,649	0.3	0.995 (0.014)	1.004 (0.021)	0.993 (0.024)
CONDITION: SEPSIS							
LOW RISK DISORDERS							
OTHER DISORDERS	1989	270	79	0.1	1.012 (0.154)	0.950 (0.344)	1.020 (9.505)
	1988	242	75	0.1	1.027 (0.159)	0.930 (0.361)	0.926 (1.796)
	1987	292	110	0.1	1.013 (0.149)	0.945 (0.266)	1.023 (0.331)
MODERATELY SEVERE RISK DISORDERS							
OTHER DISORDERS	1989	16,580	3,657	0.1	1.000 (0.034)	0.999 (0.041)	1.001 (0.046)
	1988	15,977	3,794	0.1	0.999 (0.036)	1.001 (0.043)	1.001 (0.038)
	1987	15,045	3,778	0.1	1.001 (0.035)	1.000 (0.041)	1.001 (0.041)
VERY SEVERE DISORDERS							
INFECTIOUS DISORDERS	1989	55,816	26,394	0.1	1.002 (0.012)	0.996 (0.015)	1.000 (0.016)
	1988	52,007	25,235	0.1	1.002 (0.012)	0.997 (0.015)	1.000 (0.017)
	1987	47,332	23,244	0.8	1.007 (0.013)	0.987 (0.016)	1.004 (0.018)
PROCEDURE: ANGIOPLASTY							
LOW RISK DISORDERS							
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	35,167	1,037	715.6	0.661 (0.055)	0.533 (0.048)	0.639 (0.031)
	1988	29,137	976	493.4	0.769 (0.060)	0.597 (0.050)	0.617 (0.034)
	1987	21,580	777	335.4	0.895 (0.078)	0.528 (0.046)	0.672 (0.039)

TABLE 4C
RELATIVE RISK BY ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL			LONG TERM		
					EXCESS		PERSISTENCE			
PROCEDURE: ANGIOPLASTY										
INJURIES AND POISONINGS	1989 1988 1987	748 589 290	38 29 17	32.6 25.7 10.9	0.263 (0.135) 0.790 (0.372) 3.100 (1.764)	0.954 (0.612) 0.337 (0.172) 0.127 (0.066)	0.852 (0.206) 0.925 (0.259) 0.896 (0.331)			
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	56	7	3.1	3.057 (1.894)	0.773 (0.537)	0.702 (0.855)			
NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS	1988	53	6	1.3	1.260 (1.688)	0.742 (1.052)	2.401 (2.249)			
OTHER DISORDERS	1989 1988	134 113	6 7	0.3 7.7	0.694 (0.519) 19.236 (16.245)	1.360 (1.221) 0.030 (0.018)	0.910 (0.693) 2.522 (1.342)			
AVERAGE RISK DISORDERS	1989 1988 1987	2,344 1,834 1,451	210 140 130	134.7 152.7 70.2	0.665 (0.101) 0.300 (0.060) 0.561 (0.103)	0.772 (0.124) 1.290 (0.284) 0.927 (0.160)	0.472 (0.069) 0.455 (0.083) 0.519 (0.090)			
MODERATELY SEVERE RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989 1988 1987	382 263 173	99 73 50	10.6 1.6 2.9	0.466 (0.106) 0.726 (0.201) 1.231 (0.319)	3.029 (1.563) 1.405 (0.424) 1.096 (0.274)	0.580 (0.396) 1.000 (0.396) 0.635 (0.227)			
VERY SEVERE DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989 1988 1987	8,426 7,774 6,082	1,109 1,100 975	434.6 1330.8 873.2	0.357 (0.019) 0.397 (0.021) 0.449 (0.025)	1.052 (0.052) 1.008 (0.047) 0.970 (0.049)	0.420 (0.031) 0.374 (0.029) 0.460 (0.037)			
CATASTROPHIC DISORDERS	1989	57	25	18.9	0.534 (0.208)	0.902 (0.399)	0.379 (0.291)			
PROCEDURE: CORONARY ARTERY BYPASS GRAFT										
LOW RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989 1988 1987	58,440 55,185 47,997	4,611 4,826 4,114	445.9 635.4 494.5	1.520 (0.042) 1.667 (0.045) 1.605 (0.046)	1.074 (0.034) 1.042 (0.031) 1.047 (0.033)	0.844 (0.036) 0.827 (0.035) 0.698 (0.035)			
INJURIES AND POISONINGS	1989 1988 1987	1,626 1,311 715	212 158 96	31.0 21.5 23.6	1.837 (0.235) 1.624 (0.220) 2.190 (0.358)	0.865 (0.121) 0.991 (0.140) 0.746 (0.124)	1.096 (0.184) 0.803 (0.223) 0.672 (0.242)			
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989 1988	53 64	7 14	4.3 17.0	1.317 (0.924) 3.442 (1.464)	2.745 (2.614) 2.014 (0.844)	1.323 (1.680) 1.000 (0.396)			
NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS	1989 1988	78 64	15 4	25.0 1.8	3.788 (1.987) 3.318 (2.897)	6.640 (6.772) 0.700 (0.646)	0.297 (5.368) 1.000 (0.396)			
OTHER DISORDERS	1989 1988	85 78	9 10	7.4 7.0	0.494 (1.435) 1.557 (1.740)	0.506 (1.276) 0.315 (0.578)	6.202 (2.962) 4.765 (2.541)			
AVERAGE RISK DISORDERS	1989 1988 1987	5,978 5,480 4,599	879 865 762	28.1 42.6 25.3	0.944 (0.059) 1.014 (0.062) 1.076 (0.069)	1.116 (0.074) 1.185 (0.075) 1.143 (0.078)	0.629 (0.066) 0.541 (0.062) 0.593 (0.078)			
MODERATELY SEVERE RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989 1988 1987	782 676 521	220 207 157	31.0 43.1 17.5	0.659 (0.075) 0.965 (0.101) 0.934 (0.131)	3.334 (0.728) 2.368 (0.348) 1.895 (0.351)	0.188 (0.234) 0.051 (0.180) 0.417 (0.189)			
OTHER DISORDERS	1988 1987	99 62	19 11	2.9 5.5	0.819 (0.297) 1.663 (0.904)	1.192 (0.396) 0.352 (0.152)	0.329 (0.317) 0.920 (0.536)			
VERY SEVERE DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989 1988 1987	5,960 5,434 4,616	986 1,020 915	140.4 897.2 770.3	0.195 (0.011) 0.249 (0.013) 0.239 (0.014)	2.708 (0.153) 2.279 (0.116) 2.435 (0.140)	0.320 (0.045) 0.340 (0.043) 0.374 (0.054)			
CATASTROPHIC DISORDERS	1989 1988 1987	133 131 93	49 42 44	64.6 59.2 24.5	0.239 (0.053) 0.292 (0.084) 0.378 (0.094)	1.890 (0.371) 1.089 (0.303) 1.470 (0.361)	0.323 (0.159) 1.000 (0.268) 0.552 (0.268)			
PROCEDURE: INITIAL PACEMAKER INSERTION										
LOW RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989 1988 1987	25,233 22,980 25,876	1,556 1,557 1,813	154.9 96.1 167.3	0.416 (0.033) 0.501 (0.038) 0.403 (0.032)	2.137 (0.285) 1.954 (0.264) 2.109 (0.309)	0.881 (0.053) 0.873 (0.058) 0.998 (0.057)			
INJURIES AND POISONINGS	1989 1988 1987	675 641 1,895	45 55 128	4.9 3.0 3.3	0.425 (0.153) 1.009 (0.276) 0.843 (0.177)	5.932 (4.045) 1.619 (0.619) 1.715 (0.520)	0.560 (0.392) 0.862 (0.305) 0.861 (0.162)			
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989 1988 1987	303 265 331	42 47 44	8.1 16.5 4.9	0.604 (0.248) 1.235 (0.338) 1.213 (0.432)	2.267 (1.249) 2.351 (1.126) 1.037 (0.376)	1.572 (0.872) 1.046 (0.916) 1.614 (0.521)			
GENITOURINARY AND REPRODUCTIVE DISORDERS	1989 1988 1987	130 100 185	5 11 18	3.0 1.4 4.4	1.184 (0.870) 1.252 (0.573) 2.095 (1.193)	0.578 (0.509) 1.964 (1.912) 0.237 (0.174)	0.319 (0.308) 1.000 (0.674) 1.788 (0.674)			
NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS	1989 1988 1987	517 448 514	44 50 57	2.7 9.9 9.4	1.810 (0.621) 1.974 (0.595) 1.281 (0.309)	0.500 (0.297) 0.964 (0.474) 3.673 (2.028)	1.120 (0.308) 1.304 (0.366) 0.701 (0.381)			
OTHER DISORDERS	1989 1988 1987	705 666 817	57 62 65	4.1 6.5 15.0	0.835 (0.196) 1.145 (0.203) 0.455 (0.139)	2.965 (2.133) 2.249 (1.039) 5.330 (4.045)	0.784 (0.673) 0.276 (0.489) 1.307 (0.576)			

TABLE 4C
RELATIVE RISK BY ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER	NUMBER	CHI	RELATIVE RISK					
		DF	DF	SQUARE	INITIAL		LONG TERM			
		CASES	DEATHS		EXCESS	PERSISTENCE				
PROCEDURE: INITIAL PACEMAKER INSERTION										
AVERAGE RISK DISORDERS	1989	12,841	1,288	527.6	0.206	0.016	3.032	0.300	0.797	0.049
	1988	11,299	1,261	334.2	0.303	0.023	2.118	0.198	0.820	0.047
	1987	13,124	1,415	595.4	0.219	0.015	3.147	0.298	0.741	0.053
MODERATELY SEVERE RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	3,542	801	292.6	0.258	0.026	2.244	0.284	0.840	0.080
	1988	3,128	786	160.9	0.399	0.032	1.917	0.198	0.741	0.078
	1987	3,521	854	328.1	0.261	0.023	2.613	0.303	0.770	0.084
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	60	22	5.3	0.523	0.236	2.876	1.554	0.870	0.971
	1988	59	28	8.2	0.648	0.231	3.062	1.349	1.000	.
OTHER DISORDERS	1989	91	34	14.0	0.297	0.187	1.502	1.224	2.835	0.920
	1988	82	29	3.1	0.557	0.248	1.573	1.238	1.541	1.233
	1987	115	32	16.7	0.186	0.143	1.755	0.975	1.899	0.863
VERY SEVERE DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	1,608	531	399.5	0.249	0.019	3.133	0.256	0.788	0.122
	1988	2,140	939	135.7	0.633	0.038	1.683	0.110	1.400	0.138
	1987	1,905	623	534.7	0.221	0.015	3.330	0.255	0.761	0.117
CATASTROPHIC DISORDERS	1989	230	56	390.9	0.059	0.013	2.903	0.708	0.180	0.118
	1988	311	124	269.7	0.296	0.055	0.913	0.188	0.462	0.100
	1987	287	70	562.1	0.034	0.008	3.981	1.007	0.326	0.112
PROCEDURE: CAROTID ENDARTERECTOMY										
LOW RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	29,270	1,204	12.4	1.004	0.078	0.938	0.099	0.884	0.052
	1988	30,717	1,320	16.0	0.906	0.068	1.008	0.104	0.886	0.052
	1987	31,224	1,422	3.3	0.912	0.063	1.068	0.102	0.953	0.057
PROCEDURE: HIP REPLACEMENT/RECONSTRUCTION										
LOW RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	150	35	29.0	1.904	0.523	3.967	1.657	1.000	.
	1988	172	32	17.5	1.010	0.652	2.171	1.260	2.545	1.387
	1987	140	23	8.2	2.069	1.029	0.898	0.541	1.974	0.725
INJURIES AND POISONINGS	1989	10,550	314	18.8	0.930	0.115	0.952	0.139	0.714	0.086
	1988	10,075	308	11.2	1.100	0.155	0.722	0.110	0.904	0.092
	1987	9,509	281	16.7	0.909	0.119	0.975	0.154	0.708	0.104
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	85	20	16.9	2.864	1.270	1.351	0.778	2.159	1.450
	1988	86	13	4.2	0.310	0.595	2.707	8.893	2.497	1.442
	1987	99	13	2.5	1.065	0.701	2.026	1.334	1.034	1.047
NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS	1989	47,359	1,056	21.8	0.822	0.043	1.103	0.105	0.904	0.061
	1988	46,445	1,062	8.7	0.918	0.048	1.027	0.089	0.891	0.064
	1987	42,245	1,007	9.4	0.961	0.050	1.091	0.099	0.794	0.074
OTHER DISORDERS	1989	225	23	13.9	3.853	1.206	0.395	0.157	0.677	0.406
	1988	240	34	26.4	3.268	0.786	1.221	0.416	1.000	.
	1987	244	15	1.2	0.618	0.352	2.397	2.968	1.247	0.856
AVERAGE RISK DISORDERS	1989	53,776	7,526	16.5	0.908	0.023	1.118	0.043	0.929	0.041
	1988	54,007	7,813	27.8	0.897	0.021	1.171	0.041	0.882	0.048
	1987	50,190	7,262	23.9	0.896	0.023	1.131	0.045	0.898	0.045
MODERATELY SEVERE RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	191	71	26.4	0.610	0.138	3.392	1.140	0.752	0.647
	1988	203	60	23.7	0.393	0.109	3.365	1.064	0.706	0.474
	1987	187	65	14.1	0.473	0.137	2.065	0.600	1.316	0.470
VERY SEVERE DISORDERS										
NEOPLASTIC DISEASES	1989	250	113	45.4	0.344	0.141	62.841	558.31	0.417	0.454
	1988	264	128	33.5	0.244	0.129	3.800	3.318	1.030	0.319
PROCEDURE: OPEN REDUCTION OF HIP FRACTURE										
AVERAGE RISK DISORDERS	1989	77,535	11,436	127.8	0.815	0.017	1.154	0.035	0.910	0.034
	1988	78,470	11,788	146.8	0.811	0.016	1.145	0.035	0.918	0.037
	1987	74,983	11,195	147.6	0.799	0.016	1.186	0.038	0.896	0.037
PROCEDURE: PROSTATECTOMY										
LOW RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	1,816	176	48.8	0.333	0.072	1.589	0.546	1.150	0.175
	1988	1,910	174	78.4	0.194	0.059	1.851	0.803	1.256	0.161
	1987	2,031	201	69.8	0.241	0.070	1.000	.	1.512	0.151
INJURIES AND POISONINGS	1989	883	63	21.2	0.274	0.136	1.093	1.183	1.376	0.287
	1988	956	59	2.3	1.000	.	1.000	.	0.742	0.157
	1987	991	83	10.5	0.555	0.166	0.905	0.424	1.184	0.238
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	2,685	142	28.3	0.633	0.115	1.966	0.599	0.435	0.115
	1988	2,759	154	53.7	0.544	0.095	3.251	0.838	0.337	0.083
	1987	3,061	149	41.0	0.688	0.124	1.773	0.397	0.382	0.098
GENITOURINARY AND REPRODUCTIVE DISORDERS	1989	143,640	3,548	48.7	0.807	0.038	1.061	0.110	0.943	0.029
	1988	150,413	4,007	62.2	0.802	0.031	1.136	0.104	0.931	0.036
	1987	152,037	4,083	67.1	0.814	0.032	1.023	0.100	0.947	0.031
NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS	1989	1,676	138	51.8	0.301	0.065	5.331	4.535	1.296	0.208
	1988	1,972	144	74.6	0.244	0.073	0.874	0.710	1.336	0.170
	1987	1,785	138	48.1	0.310	0.070	4.258	3.429	1.082	0.204

TABLE 4C
RELATIVE RISK BY ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL			LONG TERM		
					EXCESS	PERSISTENCE				
PROCEDURE: PROSTATECTOMY										
OTHER DISORDERS	1989	2,616	195	123.1	0.580 (0.059)	7.984 (3.401)	0.100 (0.067)			
	1988	2,888	218	71.2	0.637 (0.068)	1.771 (0.445)	0.313 (0.091)			
	1987	2,999	215	109.2	0.717 (0.075)	1.683 (0.456)	0.184 (0.072)			
AVERAGE RISK DISORDERS	1989	53,099	3,079	42.1	0.134 (0.011)	4.153 (0.667)	0.567 (0.033)			
	1988	52,413	3,395	2116.4	0.160 (0.010)	4.731 (0.593)	0.517 (0.034)			
	1987	49,485	3,374	46.8	0.150 (0.010)	6.268 (0.750)	0.487 (0.032)			
MODERATELY SEVERE RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	2,149	432	487.2	0.106 (0.020)	6.380 (1.557)	0.533 (0.117)			
	1988	2,228	447	504.5	0.115 (0.019)	5.352 (1.272)	0.490 (0.112)			
	1987	2,245	516	508.1	0.146 (0.020)	5.663 (1.020)	0.444 (0.120)			
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	313	72	82.9	0.182 (0.051)	2.448 (1.129)	0.707 (0.290)			
	1988	307	78	107.1	0.135 (0.045)	2.128 (1.133)	0.934 (0.236)			
	1987	295	73	99.6	0.096 (0.049)	1.989 (1.102)	1.033 (0.220)			
NEOPLASTIC DISEASES	1989	460	124	74.2	0.271 (0.075)	1.622 (0.834)	0.906 (0.213)			
	1988	501	143	67.3	0.310 (0.063)	5.237 (4.256)	0.499 (0.170)			
	1987	524	161	70.5	0.203 (0.074)	3.065 (2.123)	0.908 (0.181)			
OTHER DISORDERS	1989	415	54	86.1	0.123 (0.062)	1.792 (0.784)	0.719 (0.212)			
	1988	429	56	124.5	0.133 (0.039)	4.174 (1.325)	0.214 (0.178)			
	1987	462	67	111.6	0.140 (0.044)	3.750 (1.538)	0.351 (0.197)			
VERY SEVERE DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	216	62	74.9	0.094 (0.038)	7.257 (3.198)	0.776 (0.268)			
	1988	195	58	69.9	0.147 (0.047)	5.712 (2.110)	0.467 (0.268)			
	1987	202	58	48.7	0.218 (0.072)	2.362 (0.707)	0.653 (0.269)			
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	94	16	47.6	0.076 (0.059)	3.538 (2.728)	0.388 (0.271)			
	1988	96	20	25.9	0.106 (0.097)	1.932 (1.674)	0.900 (0.398)			
	1987	102	23	33.6	0.085 (0.089)	2.560 (1.796)	0.860 (0.359)			
INFECTIOUS DISORDERS	1988	447	65	38.6	1.000 (.)	1.000 (.)	0.407 (0.071)			
	1987	425	68	239.3	0.013 (0.031)	1.000 (.)	0.706 (0.102)			
NEOPLASTIC DISEASES	1989	370	155	132.8	0.183 (0.067)	3.873 (2.334)	0.633 (0.217)			
	1988	363	165	125.8	0.166 (0.066)	5.695 (3.919)	0.721 (0.192)			
	1987	381	164	156.2	0.215 (0.054)	6.220 (3.572)	0.415 (0.141)			
OTHER DISORDERS	1989	462	84	299.7	0.070 (0.020)	5.229 (1.828)	0.240 (0.183)			
	1988	458	75	366.6	0.057 (0.015)	7.454 (3.076)	0.080 (0.156)			
	1987	440	86	315.2	0.061 (0.022)	2.521 (1.114)	0.510 (0.142)			
CATASTROPHIC DISORDERS	1989	124	33	155.5	0.029 (0.027)	1.668 (1.165)	0.755 (0.169)			
	1988	130	36	128.6	0.118 (0.052)	1.393 (0.465)	0.488 (0.171)			
	1987	118	42	96.4	0.057 (0.043)	2.253 (1.462)	0.981 (0.243)			
PROCEDURE: CHOLECYSTECTOMY										
LOW RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	620	104	53.3	1.372 (0.298)	2.049 (0.595)	1.920 (0.686)			
	1988	594	103	43.4	1.240 (0.321)	1.432 (0.519)	2.471 (0.564)			
	1987	605	100	43.2	1.087 (0.255)	2.324 (0.846)	1.902 (0.727)			
INJURIES AND POISONINGS	1989	211	37	22.2	3.042 (0.870)	0.886 (0.422)	1.622 (1.000)			
	1988	183	34	25.3	2.192 (0.828)	1.357 (0.618)	2.767 (1.377)			
	1987	197	39	35.0	2.710 (0.885)	1.372 (0.752)	2.722 (1.353)			
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	92,742	3,373	43.1	0.958 (0.034)	0.983 (0.040)	0.841 (0.035)			
	1988	93,608	3,819	26.9	0.984 (0.034)	1.012 (0.040)	0.851 (0.034)			
	1987	91,227	3,653	35.6	0.998 (0.036)	0.969 (0.039)	0.853 (0.035)			
GENITOURINARY AND REPRODUCTIVE DISORDERS	1989	237	18	7.8	2.312 (1.047)	1.246 (1.153)	1.564 (1.044)			
	1988	200	20	13.7	3.782 (1.429)	0.689 (0.507)	1.519 (1.001)			
	1987	236	17	6.5	1.941 (0.825)	1.636 (1.245)	1.484 (1.036)			
NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS	1989	269	46	34.6	3.450 (0.895)	0.647 (0.285)	2.457 (0.831)			
	1988	236	36	19.8	1.579 (0.717)	0.737 (0.492)	3.552 (1.092)			
	1987	298	47	28.8	2.027 (0.606)	1.628 (0.847)	2.286 (1.100)			
OTHER DISORDERS	1989	1,150	86	6.7	1.252 (0.223)	1.533 (0.475)	0.670 (0.302)			
	1988	1,080	104	19.7	1.633 (0.281)	0.881 (0.279)	1.733 (0.483)			
	1987	1,062	77	0.5	1.123 (0.244)	1.003 (0.433)	0.915 (0.306)			
AVERAGE RISK DISORDERS	1989	19,918	2,156	37.9	0.789 (0.035)	1.320 (0.072)	0.804 (0.059)			
	1988	19,509	2,095	90.3	0.766 (0.031)	1.473 (0.075)	0.559 (0.057)			
	1987	18,242	2,026	112.5	0.823 (0.033)	1.482 (0.075)	0.445 (0.054)			
MODERATELY SEVERE RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	552	191	94.4	0.711 (0.079)	3.305 (0.416)	0.124 (0.160)			
	1988	534	233	123.9	0.792 (0.092)	3.529 (0.508)	0.519 (0.374)			
	1987	504	172	29.0	0.742 (0.095)	2.220 (0.350)	0.424 (0.219)			
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	299	67	13.2	0.502 (0.091)	3.075 (0.897)	0.002 (0.369)			
	1988	294	102	9.7	0.994 (0.180)	1.424 (0.300)	1.250 (0.425)			
	1987	309	83	2.3	0.763 (0.156)	1.261 (0.276)	0.827 (0.338)			
NEOPLASTIC DISEASES	1989	461	106	23.1	0.512 (0.130)	0.952 (0.283)	1.001 (0.229)			
	1988	466	92	43.2	0.613 (0.131)	1.034 (0.290)	0.416 (0.188)			
	1987	443	94	36.5	0.423 (0.123)	0.986 (0.374)	0.845 (0.206)			
OTHER DISORDERS	1989	323	63	10.6	0.834 (0.160)	1.551 (0.329)	0.102 (0.181)			
	1988	327	72	12.6	0.426 (0.105)	2.261 (0.823)	0.760 (0.312)			
	1987	295	76	13.3	0.675 (0.123)	2.217 (0.508)	0.304 (0.312)			
VERY SEVERE DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	118	65	38.6	0.537 (0.104)	4.263 (0.926)	0.292 (0.632)			
	1988	130	56	34.6	0.273 (0.070)	7.500 (2.372)	0.590 (0.684)			
	1987	93	48	22.3	0.584 (0.129)	3.344 (1.040)	0.375 (0.773)			

TABLE 4C
RELATIVE RISK BY ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
PROCEDURE: CHDLECYSTECTDMY										
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	749	205	25.3	0.591	0.067	1.792	0.264	0.281	0.186
	1988	697	208	23.1	0.646	0.073	1.723	0.232	0.413	0.188
	1987	722	189	21.3	0.621	0.080	1.289	0.186	0.668	0.186
INFECTIOUS DISORDERS	1989	377	142	74.0	0.322	0.047	3.607	0.691	0.500	0.243
	1988	351	133	76.8	0.323	0.047	3.605	0.711	0.339	0.211
NEOPLASTIC DISEASES	1989	2,829	1,322	389.8	0.498	0.035	1.177	0.144	0.721	0.075
	1988	2,940	1,346	447.3	0.457	0.036	1.349	0.169	0.664	0.071
	1987	2,825	1,384	370.2	0.432	0.038	1.255	0.162	0.774	0.055
OTHER DISORDERS	1989	57	30	20.8	0.481	0.182	3.642	1.334	1.062	1.800
	1988	68	34	14.3	0.424	0.150	2.728	1.210	1.759	0.992
CATASTROPHIC DISORDERS	1989	806	327	418.9	0.149	0.019	4.121	0.736	0.468	0.076
	1988	817	342	372.7	0.194	0.023	3.180	0.511	0.420	0.072
	1987	737	322	373.9	0.214	0.024	3.083	0.372	0.367	0.074
PROCEDURE: HYSTERECTOMY										
LOW RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	94	7	6.1	0.367	0.243	4.856	5.884	0.143	1.572
	1988	75	7	0.8	0.972	0.827	0.546	0.554	1.667	1.544
	1987	83	6	3.0	1.684	1.140	0.347	0.201	0.602	0.600
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	385	26	3.8	2.197	0.876	0.754	0.281	1.015	0.376
	1988	422	27	5.2	2.259	0.820	0.705	0.239	0.654	0.273
GENITOURINARY AND REPRODUCTIVE DISORDERS	1989	27,761	180	13.2	0.795	0.137	1.256	0.312	0.685	0.093
	1988	28,031	181	11.4	0.930	0.156	1.102	0.260	0.680	0.096
	1987	26,252	168	11.8	0.836	0.144	1.140	0.272	0.702	0.095
NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS	1988	68	5	0.7	0.695	0.585	1.038	1.398	0.706	1.292
OTHER DISORDERS	1989	17,676	420	302.1	0.334	0.037	1.923	0.378	0.440	0.060
	1988	17,943	467	291.4	0.367	0.040	2.188	0.575	0.366	0.071
	1987	17,026	474	311.8	0.412	0.045	1.279	0.206	0.489	0.045
AVERAGE RISK DISORDERS	1989	1,160	141	58.2	0.374	0.084	1.769	0.763	0.552	0.185
	1988	1,187	159	47.4	0.367	0.092	1.570	0.529	0.718	0.143
	1987	1,096	123	68.7	0.282	0.086	1.709	0.549	0.619	0.130
MODERATELY SEVERE RISK DISORDERS										
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	54	8	9.4	0.059	0.199	2.624	4.251	0.893	0.694
	1988	70	16	3.1	0.391	0.228	2.080	1.172	1.000	.
NEOPLASTIC DISEASES	1989	2,758	383	474.3	0.255	0.038	1.095	0.221	0.616	0.070
	1988	2,580	356	485.9	0.277	0.046	0.807	0.162	0.625	0.065
	1987	2,490	342	498.2	0.234	0.040	1.010	0.212	0.582	0.070
VERY SEVERE DISORDERS										
NEOPLASTIC DISEASES	1989	122	35	48.7	0.410	0.170	0.608	0.274	0.592	0.302
	1988	124	48	23.6	0.552	0.176	0.894	0.479	0.574	0.471
	1987	122	42	42.0	0.263	0.106	1.828	2.117	0.732	0.407

TABLE 5A: NUMBER OF HOSPITALS BY ANALYTICAL CATEGORIES AND NUMBER OF CASES

	YEAR	NUMBER OF CASES				TOTAL
		1-50	51-249	250-699	700+	
ALL CATEGORIES	1989	278	1,131	1,514	2,773	5,696
	1988	284	1,168	1,569	2,795	5,816
	1987	261	1,212	1,630	2,773	5,876
LOW RISK DISORDERS						
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	1,594	2,546	1,245	187	5,572
	1988	1,617	2,627	1,261	183	5,688
	1987	1,678	2,695	1,233	154	5,760
INJURIES AND POISONINGS	1989	3,393	2,016	83	0	5,492
	1988	3,503	2,039	85	0	5,627
	1987	3,555	2,057	71	0	5,683
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	2,275	2,796	484	3	5,558
	1988	2,300	2,839	538	5	5,682
	1987	2,314	2,867	554	4	5,739
GENITOURINARY AND REPRODUCTIVE DISORDERS	1989	3,169	2,124	117	0	5,410
	1988	3,206	2,168	144	0	5,518
	1987	3,284	2,203	148	0	5,635
NEUROPSYCHIATRIC, SENSORY AND MUSCULOSKELETAL DISORDERS	1989	2,692	2,135	738	45	5,610
	1988	2,774	2,124	783	47	5,728
	1987	2,789	2,181	766	49	5,785
OTHER DISORDERS	1989	2,812	2,212	529	10	5,563
	1988	2,871	2,262	529	12	5,674
	1987	2,963	2,288	471	11	5,733
AVERAGE RISK DISORDERS	1989	1,519	2,238	1,519	340	5,616
	1988	1,568	2,313	1,521	332	5,734
	1987	1,645	2,404	1,479	281	5,809
MODERATELY SEVERE DISORDERS						
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	1,478	2,926	1,133	31	5,568
	1988	1,557	2,978	1,120	30	5,685
	1987	1,633	3,088	1,006	22	5,749
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	4,877	439	0	0	5,316
	1988	4,963	466	0	0	5,429
	1987	5,074	370	0	0	5,444
NEOPLASTIC DISEASES	1989	4,105	291	1	0	4,397
	1988	4,174	302	0	0	4,476
	1987	4,204	308	0	0	4,512
OTHER DISORDERS	1989	4,799	255	0	0	5,054
	1988	4,910	285	0	0	5,195
	1987	4,956	267	0	0	5,223
VERY SEVERE DISORDERS						
CARDIOPULMONARY AND CIRCULATORY DISORDERS	1989	3,668	1,760	18	0	5,446
	1988	3,793	1,755	19	0	5,567
	1987	3,902	1,707	23	0	5,632
GASTROINTESTINAL AND ENDOCRINE DISORDERS	1989	4,737	14	0	0	4,751
	1988	4,845	19	0	0	4,864
	1987	4,925	13	0	0	4,938
INFECTIOUS DISORDERS	1989	4,826	100	0	0	4,926
	1988	4,967	69	0	0	5,036
	1987	4,960	48	0	0	5,008
NEOPLASTIC DISEASES	1989	4,231	758	4	0	4,993
	1988	4,391	749	4	0	5,144
	1987	4,496	745	6	0	5,247
OTHER DISORDERS	1989	4,718	1	0	0	4,719
	1988	4,926	4	0	0	4,930
	1987	5,176	15	0	0	5,191
CATASTROPHIC DISORDERS	1989	4,614	385	0	0	4,999
	1988	4,727	397	0	0	5,124
	1987	4,801	377	0	0	5,178

TABLE 5B: NUMBER OF HOSPITALS BY CONDITIONS OR PROCEDURES AND NUMBER OF CASES

	YEAR	NUMBER OF CASES				TOTAL
		1-50	51-249	250-699	700+	
ALL CAUSES	1989	278	1,131	1,514	2,773	5,696
	1988	284	1,168	1,569	2,795	5,816
	1987	261	1,212	1,630	2,773	5,876
CONDITIONS:						
ACUTE MYOCARDIAL INFARCTION	1989	3,936	1,396	15	0	5,347
	1988	4,080	1,380	18	0	5,478
	1987	4,118	1,413	16	0	5,547
CONGESTIVE HEART FAILURE	1989	3,215	2,217	71	0	5,503
	1988	3,359	2,195	56	0	5,610
	1987	3,466	2,152	47	0	5,665
PNEUMONIA/INFLUENZA	1989	3,388	2,143	10	0	5,541
	1988	3,567	2,069	8	0	5,644
	1987	3,902	1,803	3	0	5,708
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1989	4,943	322	0	0	5,265
	1988	5,067	309	0	0	5,376
	1987	5,059	369	0	0	5,428
TRANSIENT CEREBRAL ISCHEMIA	1989	4,725	422	0	0	5,147
	1988	4,779	507	0	0	5,286
	1987	4,848	540	0	0	5,388
STROKE	1989	3,676	1,705	16	0	5,397
	1988	3,804	1,700	16	0	5,520
	1987	3,898	1,662	13	0	5,573
HIP FRACTURE	1989	3,436	1,104	2	0	4,542
	1988	3,541	1,111	1	0	4,653
	1987	3,742	1,013	0	0	4,755
SEPSIS	1989	4,778	186	0	0	4,964
	1988	4,960	131	0	0	5,091
	1987	4,963	108	0	0	5,071
PROCEDURES:						
ANGIOPLASTY	1989	529	348	13	0	890
	1988	584	280	9	0	873
	1987	672	211	4	0	887
CORONARY ARTERY BYPASS GRAFT	1989	327	467	39	0	833
	1988	300	459	32	0	791
	1987	304	415	20	0	739
INITIAL PACEMAKER INSERTION	1989	3,203	84	0	0	3,287
	1988	3,275	83	0	0	3,358
	1987	3,357	93	0	0	3,450
CAROTID ENDARTERECTOMY	1989	2,371	57	0	0	2,428
	1988	2,421	70	0	0	2,491
	1987	2,452	75	0	0	2,527
HIP REPLACEMENT/RECONSTRUCTION	1989	3,329	665	6	0	4,000
	1988	3,415	657	3	0	4,075
	1987	3,528	578	3	0	4,109
OPEN REDUCTION OF HIP FRACTURE	1989	3,842	245	0	0	4,087
	1988	3,907	258	0	0	4,165
	1987	3,993	227	0	0	4,220
PROSTATECTOMY	1989	2,741	1,537	27	0	4,305
	1988	2,799	1,588	31	0	4,418
	1987	2,888	1,575	28	0	4,491
CHOLECYSTECTOMY	1989	4,291	669	0	0	4,960
	1988	4,377	658	0	0	5,035
	1987	4,491	627	0	0	5,118
HYSTERECTOMY	1989	4,264	91	0	0	4,355
	1988	4,390	90	0	0	4,480
	1987	4,435	70	0	0	4,505

Table A-6
FY 1988

Summary of Likelihood Chi Squared Increments to the Mortality Model
for Core Variables, ICD-9-CM Codes, and Hospitals

GROUP	#Cases	Reference		Core		ICD-9-CM	
		D.F.	Log Likelihood	+ D.F.	Chi Square	+ D.F.	Chi Square
01 LOW RISK CARDIOPULMONARY AND CIRCULATORY	1,051,033	3	-687,124	40	52,428	219	8,317
02 LOW RISK INJURIES AND POISONINGS	313,111	3	-189,450	34	21,198	285	3,167
03 LOW RISK GASTROINTESTINAL AND ENDOCRINE	586,657	3	-340,580	36	39,607	298	5,600
04 LOW RISK GENITOURINARY AND REPRODUCTIVE	347,479	3	-117,266	36	19,395	144	2,164
05 LOW RISK NEUROPSYCHIATRIC, SENSORY & MUSCULOSKELETAL	663,035	3	-332,667	36	47,947	551	10,953
06 OTHER LOW RISK DISORDERS	536,866	3	-380,061	38	55,605	313	10,160
07 AVERAGE RISK DISORDERS	1,285,858	3	-1,798,081	42	140,395	839	51,869
08 MODERATELY SEVERE CARDIOPULMONARY AND CIRCULATORY	851,299	3	-1,694,902	43	83,088	120	9,400
09 MODERATELY SEVERE GASTROINTESTINAL AND ENDOCRINE	108,696	3	-243,746	39	22,485	51	842
10 MODERATELY SEVERE NEOPLASTIC DISEASES	71,987	3	-205,810	34	15,671	132	3,001
11 OTHER MODERATELY SEVERE DISORDERS	80,327	3	-171,295	38	11,432	102	3,946
12 VERY SEVERE CARDIOPULMONARY AND CIRCULATORY	246,497	3	-576,689	46	28,777	81	15,778
13 VERY SEVERE GASTROINTESTINAL AND ENDOCRINE	44,455	3	-113,004	35	6,783	66	1,737
14 VERY SEVERE INFECTIOUS DISORDERS	56,125	3	-154,120	32	6,935	66	2,727
15 VERY SEVERE NEOPLASTIC DISEASES	122,249	3	-462,959	36	19,178	159	7,578
16 OTHER VERY SEVERE DISORDERS	31,194	3	-85,101	30	4,448	69	1,984
17 CATASTROPHIC DISORDERS	92,355	3	-299,790	42	14,199	99	14,553
Total	6,489,223	51	-7,852,646	637	589,571	3,594	153,776
<u>Hospital Specific Contribution</u>							
Hospitals with estimates	5,527	Chi Square Contribution		46,767			
Hospitals without estimates	289	Chi Square Contribution		13			
Total	5,816			46,780			

Hospital Specific Contribution

Hospitals with estimates	5,527	Chi Square Contribution	46,767
Hospitals without estimates	289	Chi Square Contribution	13
Total	5,816		46,780

Figure A-1. Rank Correlation (Observed vs. Predicted) from Logistic Regression of Log Odds for Various Levels of Mortality Model

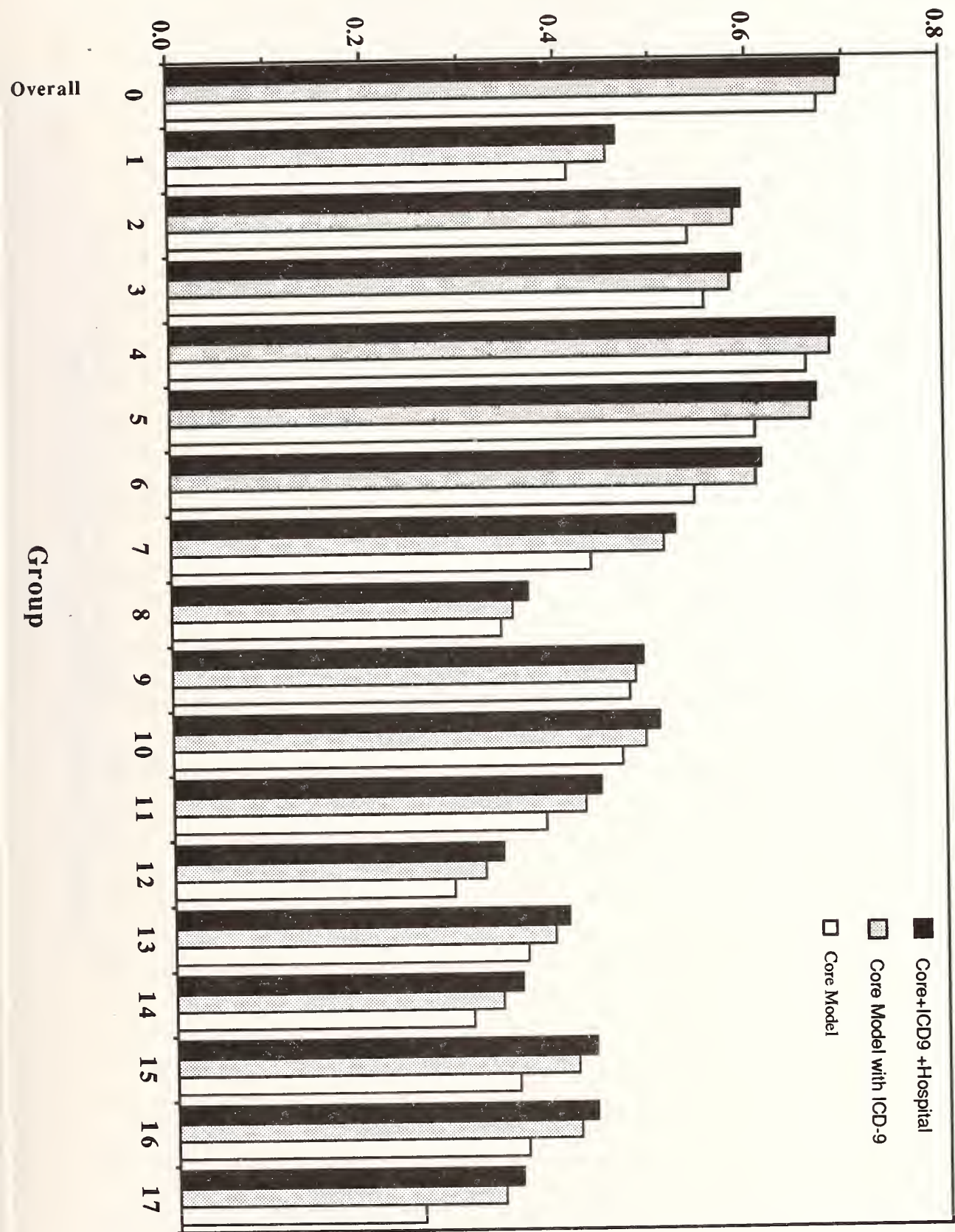
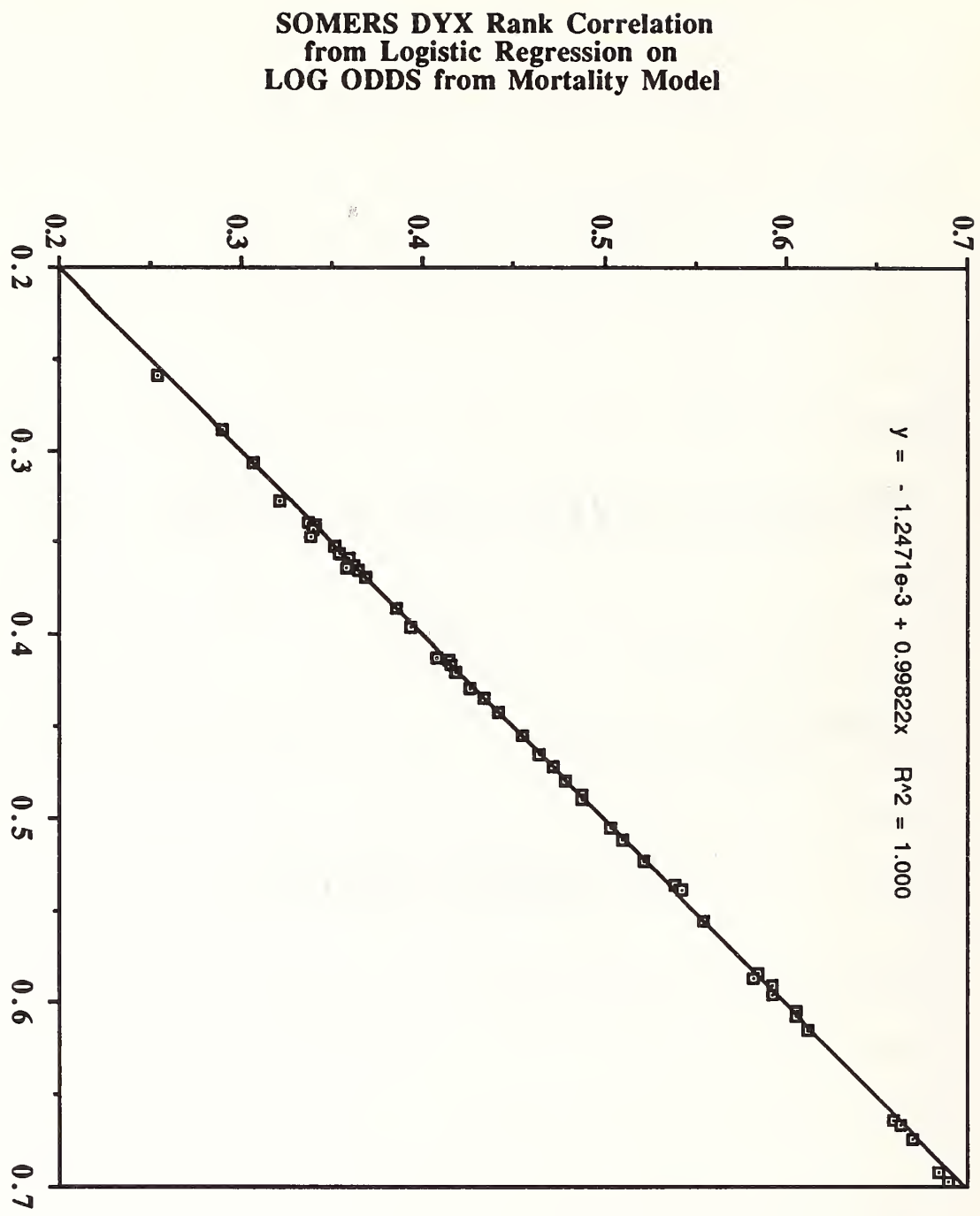


Figure A-2.

Rank Correlation (Observed against Predicted)
from Logistic Regression at 30 Days: Log Odds vs Direct



SOMERS DYX Rank Correlation
from Logistic Regression Model

SECTION B

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL UTILIZATION

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL UTILIZATION

This section of the Technical Supplement describes the methodology used for the evaluation of rates of hospitalization and of the overall probability of death of Medicare beneficiaries.

The unit of analysis in the estimation of observed and predicted probabilities of hospitalization and of death in the overall Medicare population was the ZIP Code area. Thus, the number of Medicare beneficiaries in a ZIP Code area who were hospitalized in FY 89 for the reasons specified in the display categories in the body of this publication (see Table A-1 of Section A) and the number who died for any reason were counted and compared to the numbers expected on the basis of their demographic characteristics and of the socioeconomic status of that area.

The concomitant information is derived primarily from the beneficiary file (HISKEW). Concomitant information is summarized in terms of the average age, sex, and race for each of the areas. To describe more fully an area, we also included the variance and covariance for these variables. The Claritas ZQ[®] score for 1988 was used to provide additional information descriptive of the social and economic status for each ZIP Code area. The number of months for HMO enrollment relative to the total number of months of eligibility was examined in our models and generally not found to provide additional improvement in the prediction models.

For the State and Metropolitan Statistical Area summaries, we provide a comparison of the observed rate with the rate predicted from a national model estimated at the ZIP Code level and further aggregated to the level under consideration.

Model for Number of Hospitalizations and Number of Deaths in ZIP Code Area

The Poisson model is generalized to allow for a different probability of zero counts for the number of deaths or the number of hospitalizations. The probability of the number of deaths or the number of hospitalizations in a ZIP Code area is given by:

$$p(y) = \begin{cases} \exp(-\mu), & y = 0 \\ \mu^y \frac{\exp(-\mu)}{y!}, & y = 1, 2, 3, \dots \end{cases}$$

where

$$\mathcal{R} = \frac{1 - \exp(-\rho)}{1 - \exp(-\mu)}.$$

Linear combinations of the concomitant variables are introduced as follows:

$$\mu_L = \mu_1 x_1 + \dots + \mu_k x_k,$$

$$\mu = N \exp(\mu_0 + \mu_L),$$

and

$$\rho = N \exp(\rho_0 + \rho_1 \mu_L)$$

where x_i 's denote the concomitant variables and N is the number of eligibles at risk in the ZIP Code area and the coefficients ρ_0 , ρ_1 and μ_i for $i=0, 1, \dots, k$ are parameters to be estimated.

When $\mathcal{R}=1$, the model reduces to the usual Poisson model. This generalization of the Poisson provides some flexibility in fitting the data and allows for a different propensity for the zero count from that found in the Poisson. The expected count is

$$E(Y) = \mathcal{R} \mu$$

and the variance is

$$\text{Var}(Y) = \mathcal{R}(1 - \mathcal{R}) \mu^2 + \mathcal{R} \mu.$$

Other moments are easily obtained for skewness and kurtosis calculations.

Maximum likelihood estimation of the parameters of the utilization and population-based mortality models was done by an adaptation of the SAS[®] Proc NLIN procedure for nonlinear analysis.

Estimates of the expected number E_i of hospitalizations or deaths are obtained from the models for each ZIP Code. These estimates are then added for all ZIP Codes in an area (State or MSA). The ratio of the sum of expected hospitalizations or deaths to the total number of eligibles in the area is the expected rate. A similar calculation is performed for the observed number of hospitalizations to obtain an observed rate.

The residual locale-specific offsets are computed as described below. With the parameter estimates for the Medicare population fixed, the cases in the area or group are used to estimate the offset parameters μ_{off} in μ . Note offsets ρ_{off} in ρ were not computed because generally there were too few ZIP Code areas with zero counts to permit reliable estimates.

Variables for the Mortality Rate and the Hospitalization Rate Models

The variables included in our model are listed below. The choice of variables for these analyses is limited by information available on all Medicare eligibles. The age, sex, race and ZIP Code of residence are generally available. Any exogenous variables available by ZIP Code can also be merged into the file. One such variable is the ZQ index purchased from Claritas®. This variable is a ZIP Code-specific index of income and education that ranges from 0 to 100, with 100 having the highest income, cost of housing and educational level.

To allow for a missing ZQ index for a ZIP Code, we introduced an indicator variable ZQM which is one when the ZQ score is missing and zero otherwise. Also we set the value of $ZQ=0$ when $ZQM=1$. In this way we are able to estimate linear combinations for our models without losing cases. Since we had the ZQ score only for 1988, we used the 1988 values of the ZQ estimates for the 1989 analysis. However, new ZIP Codes were introduced in 1989. Hence we used an indicator Z89 to indicate a missing ZQ score for FY 89 resulting from the introduction of new ZIP Code areas. In some cases where new ZIP Codes were formed, imputed values of the ZQ index were used.

Age is first expressed as the age in years on July 1, 1988. Then a dimensionless age variable is formed as the ratio, $(\text{age}-65)/65$. The sex variable for an individual is 1 for a female and 0 otherwise. The race black variable for an individual is 1 for black and 0 otherwise.

Since the analysis is conducted with the ZIP Code rather than the individual as the unit of analysis, variables in the regressions are the averages, variances and covariances of the age, sex, and race variables. The covariance terms were included in the analysis to more fully represent the joint ranges of the population characteristics at the ZIP Code level of aggregation.

Estimates of the coefficients are shown in Table B-1. The graphical displays of these estimates show contributions of each of these factors. See Figures B-1a—B-1d.

The regression coefficients were used to compute the predicted probabilities of death in the individual ZIP Code areas and by aggregation at the MSA and State levels.

In our tables and figures we have designated the coefficient estimates of these variables as shown below. Note that the prefix M to the variable name is used for the variables in μ and the prefix R is used for variables in ρ .

<u>Variable</u>	<u>Description</u>
M0	Indicator for the intercept μ_0 with a value of 1
MCOV_AB	Covariance of the Age and Race Black
MCOV_AS	Covariance of the Age and Sex
MCOV_BS	Covariance of the Race Black and Sex
MM_AG	Mean of Age, where Age is difference from 65 years divided by 65
MM_BL	Mean of Race Black
MM_SX	Mean of Sex, Female=1, 0 otherwise
MV_AG	Variance of Age
MV_BL	Variance of Race Black
MV_SX	Variance of Sex
MZ89	Indicator=1 for new ZIP Codes in 1989, = 0 otherwise
MZQ	Value of ZQ Index
MZQM	Indicator=1 if ZQ index is missing, = 0 otherwise
MZSQ	Square of Value of ZQ Index
R0	Indicator for the intercept ρ_0 with a value of 1
R1	Linear combination μ_L with coefficient ρ_1

Computations

The utilization or mortality rate is defined as

$$U = \frac{\sum_{i=1}^k Y_i}{\sum_{i=1}^k N_i}$$

where Y_i is the number of events (admissions or deaths) and N_i is the number of persons at risk (number of Medicare beneficiaries).

The expected value of the utilization or mortality rate is

$$E[U] = \frac{\sum_{i=1}^k E_i}{\sum_{i=1}^k N_i}$$

and the variance of the utilization or mortality rate is

$$\text{Var}[U] = \frac{\sum_{i=1}^k V_i}{\left[\sum_{i=1}^k N_i \right]^2}$$

where

$$E_i = E[Y_i] = R\mu$$

and

$$V_i = \text{Var}[Y_i] = R(1 - R)\mu^2 + R\mu.$$

Then

$$SD = \sqrt{\text{Var}(U)}.$$

The relative offset for the locale is

$$R_{\text{off}} = \exp(\widehat{\mu_{\text{off}}}).$$

The standard error of relative offset

$$SE[R_{\text{off}}] = \frac{R_{\text{off}}}{\sqrt{I_{\text{off}}}}$$

where

$$I_{\text{off}} = E \left[\left(\frac{\partial LL}{\partial \mu_{\text{off}}} \right)^2 \right] = \mathcal{R} \mu (1 + \mu) - \frac{\mu^2 \mathcal{R}}{1 - e^{-\mu}}.$$

Chi Square Statistics for the Locale

A chi square statistic was also computed to estimate the statistical significance of the difference between the probability of hospitalization or death observed in the locale and that predicted for its population from the national experience.

The log likelihood chi square statistic is applied only to the cases in the group or locale. The national Medicare model is obtained by using a full array of ZIP Code area concomitant variables in the model with all of the data. A log likelihood is then computed for each subset group or locale using the estimates for the national model. Denote this log likelihood for the cases in the group or locale by LL' . Then use only the cases in the subset group or locale to estimate the coefficients for an additional concomitant variable $x_{\text{off}} = 1$ for the cases in the group, while holding the estimates of component parameters from the national model fixed.

To make this idea clearer, let μ'_i and ρ'_0 and ρ'_1 denote the national estimates so

$$\mu' = N \exp(\mu'_0 + \mu'_1 x_1 + \dots + \mu'_i x_i + \dots + \mu'_k x_k).$$

$$\rho' = N \exp(\rho'_0 + \rho'_1 \mu'_L).$$

Then the model is run with an additional component parameter μ_{off} to be estimated. The component parameters with primes are not reestimated; i.e., they are held fixed at the national estimates. The structural parameters are now

$$\mu'' = N \exp(\mu'_0 + \mu'_1 x_1 + \dots + \mu'_i x_i + \dots + \mu'_k x_k + \mu_{\text{off}}).$$

The component associated with the area or group offset is μ_{off} . The *relative ratio* is $\exp(\mu_{\text{off}})$. If μ_{off} is zero, then the relative ratio is one and there is no difference from the national Medicare model.

The log likelihood from the estimation of the offsets is LL'' .

Then the likelihood chi square statistic with one degree of freedom is

$$X^2(1) = -2(LL' - LL'').$$

Implementation of Maximum Likelihood Estimation

The maximum likelihood estimation of the modified Poisson model was implemented using SAS® PROC NLIN as described by R. C. Bailey and B. P. Eynon (1987) or E. R. Cross, R. C. Bailey, and J. G. Olson (1988).

We specify the likelihood l_i for each ZIP Code area as the probability specified by the model above with the sipcode-specific values of the number of events (deaths or admissions) and the concomitant information on age, sex, race, ZQ index as specified. Then we maximize the natural logarithm of the likelihood

$$L = \sum_{i=1}^n \ln(l_i)$$

using SAS® PROC NLIN (SAS Institute Inc. (1985)).

REFERENCES

Bailey, R. Clifton and Eynon, B. P, "Toxicity Testing of Drilling Fluids: Assessing Laboratory Performance and Variability," *Chemical and Biological Characterization of Municipal sludges, Sediments, Dredge Spoils, and Drilling Muds*, edited by Lichtenberg/Winter/Weber/Fradkin, ASTM STP 976, 1987.

Cross, E. R., Bailey, R. C. and Olson, J. G., "A Quantitative Investigation of the Seasonal Occurrence of *Culex Tritaeniorhynchus* in Okinawa," *Environment International*, Vol. 14, 1988, 11-18.

SAS Institute Inc., "The NLIN Procedure," *SAS User's Guide: Statistics*, Version 5 Ed, Chapter 25, 1985, 575-606.

Table B-1. Coefficients for the Total Mortality and Hospital Admission Models

Label	Mortality		Total Admission		AMI		CHF		ANGPLSTY		CABG		PACE		PNU		COPD		TCI	
	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE
M0	-3.28	0.12	-1.21	0.06	-3.43	0.12	-4.79	0.34	-3.97	0.24	-4.14	0.24	-6.89	1.21	-3.04	0.11	-3.06	0.17	-3.26	0.38
MCOV_AB	0.77	0.87	6.32	0.23	7.89	1.80					7.99	2.69			15.18	1.24	14.84	2.02	17.79	2.43
MCOV_AS	7.81	0.85	8.74	0.24	8.92	1.71	14.17	1.20	8.70	3.35					15.08	1.30	23.09	1.97	22.49	2.59
MCOV_BS	-0.95	0.73	-2.16	0.19					-7.61	2.78										
MM_AG	3.40	0.14	-0.43	0.04																
MM_BL			-0.21	0.01	-0.73	0.08			-1.42	0.20	-1.30	0.17	1.41	0.80	3.51	0.24	-3.97	0.36	-1.10	0.40
MM_SX			0.78	0.03	0.78	0.03	1.40	0.16	-3.81	0.27	-2.26	0.25	0.55	0.68	-0.91	0.06	-0.70	0.09	-0.51	0.06
MV_AG	7.15	0.68	-2.68	0.19	-8.34	1.36	-6.13	0.86	-12.28	2.40	-10.66	0.97	-7.59	2.57	10.57	1.02	-10.95	1.63	-14.56	2.00
MV_BL	0.30	0.05	0.76	0.02	0.68	0.17	0.68	0.04	1.80	0.33	1.82	0.30			12.0	0.12	0.74	0.17	1.32	0.13
MV_SX	-1.92	0.38	1.34	0.19			3.27	1.04	-0.24	0.51			2.97	3.69					-2.76	1.24
MZB9	-0.12	0.08	-0.20	0.03	-0.23	0.19	-0.03	0.00	0.01	0.01	0.01	0.01	-0.28	0.62	-0.12	0.16	-0.04	0.01	-0.21	0.21
MZQ	0.00	0.00	-0.03	0.00	-0.03	0.00	-1.22	0.09	-0.04	0.32	-0.34	0.24	-0.79	0.39	-0.05	0.00	-0.04	0.01	-0.89	0.17
MZQM	-0.37	0.07	-1.19	0.02	-1.49	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MZSQ	0.00	0.00	0.00	0.00	0.00	0.00	-4.68	0.16	-5.06	0.21	-4.53	0.23	-6.71	0.65	-3.79	0.09	-4.21	0.17	-4.43	0.35
R0	-3.21	0.09	-1.45	0.07	-3.80	0.18			0.62	0.09	0.81	0.12	0.55	0.20	0.49	0.07	0.64	0.07	0.55	0.11
R1	0.66	0.11			0.84	0.13	0.46	0.11												
Label	STROKE		ENDART		FXHIP		HIPREP		OPRDUX		PROS		CHOLOTMY		HYS		SEPSIS			
	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE
M0	-4.28	0.14	-4.45	0.42	-6.53	0.20	-5.79	0.13	-6.17	0.61	-5.15	0.42	-6.13	0.83	-7.69	2.12	-4.22	0.61		
MCOV_AB	3.06	1.46	26.06	5.36	9.70	2.07	3.23	2.08	7.64	2.83	-3.90	1.68	13.39	2.74	6.01	5.05	10.44	2.20		
MCOV_AS	7.38	1.57			9.70	2.07							10.08	2.79						
MCOV_BS			-23.60	4.43	-4.87	1.91	-5.99	1.94									1.95	0.50		
MM_AG	0.44	0.31	-4.85	0.33	6.14	0.43	5.51	0.51	5.63	0.61	2.53	0.37	-1.99	0.51	0.76	0.88				
MM_BL	0.06	0.05	-1.85	0.35	-1.22	0.13	-0.88	0.07	-1.38	0.11	-2.12	0.22	-0.97	0.14	-0.55	0.22	-0.83	0.39		
MM_SX	0.76	0.14	-1.92	0.50	-0.97	0.24	-0.77	0.25	0.58	0.39	-2.12	0.22	0.72	0.44	0.65	1.11				
MV_AG	-5.32	1.34	-15.73	2.98	11.01	1.74	5.19	1.83	8.96	2.39	-6.66	1.45	-10.55	2.30			-0.83	0.39		
MV_BL	0.90	0.13	2.09	0.58	1.08	0.23			1.65	0.15	0.10	0.09	0.91	0.26	0.02	0.44	1.74	0.11		
MV_SX									-2.64	1.71	6.22	1.33	7.67	2.57	5.34	6.38	-4.20	1.81		
MZB9			-0.46	0.67	-0.18	0.33			-0.02	0.40	-0.17	0.22	-0.03	0.01	-0.51	1.07	-0.26	0.18		
MZQ	-0.03	0.00	0.01	0.01	-0.01	0.01			-0.01	0.01	0.00	0.00	-0.03	0.01	-0.01	0.01	-0.01	0.01		
MZQM	-1.20	0.15	-0.18	0.46	-0.52	0.22			-0.56	0.29	-0.43	0.17	-1.61	0.24	-0.84	0.50	-0.84	0.27		
MZSQ	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
R0	-4.34	0.16	-5.55	0.30	-6.44	0.19	-5.86	0.13	-6.23	0.54	-5.24	0.42	-5.80	0.42	-6.43	0.02	-4.94	0.41		
R1	1.10	0.16	0.64	0.09	0.90	0.09	1.05	0.12	0.91	0.12	1.01	0.12	0.54	0.11			0.66	0.13		

Figure B-1a.

Comparison of Model Estimates for Mortality and Total Admissions

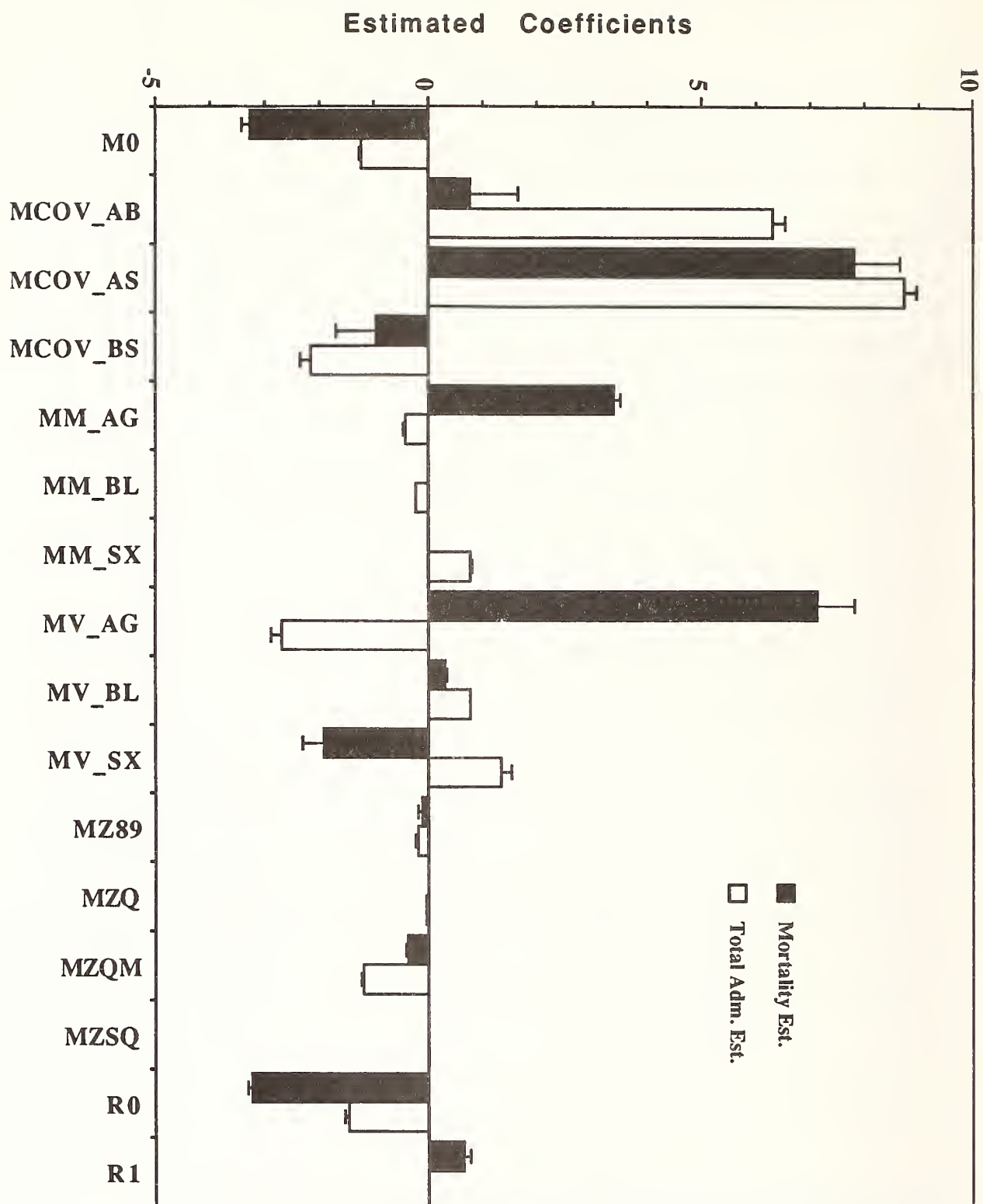


Figure B-1b. Comparison of Factors Affecting Hospital Use for Conditions

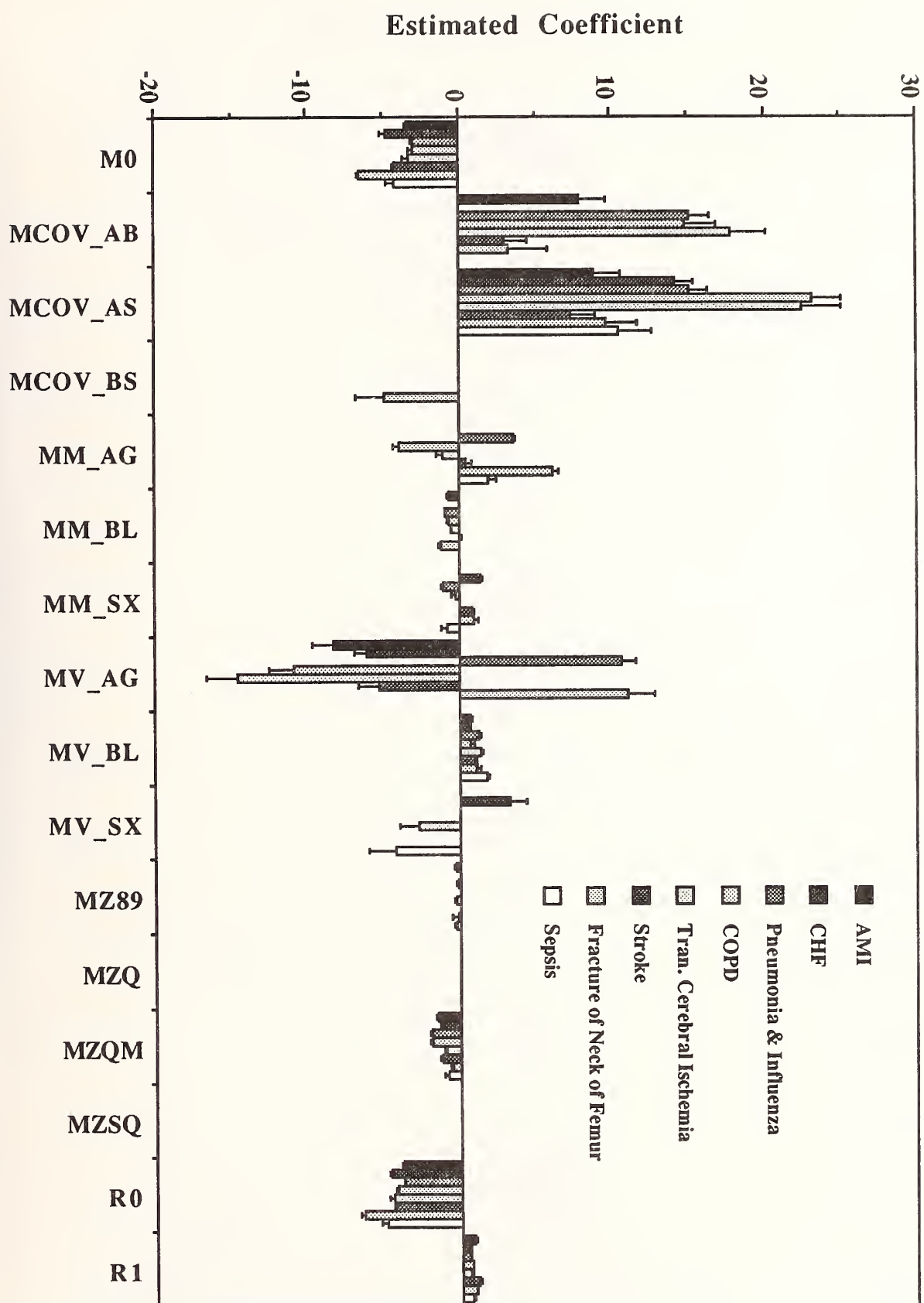
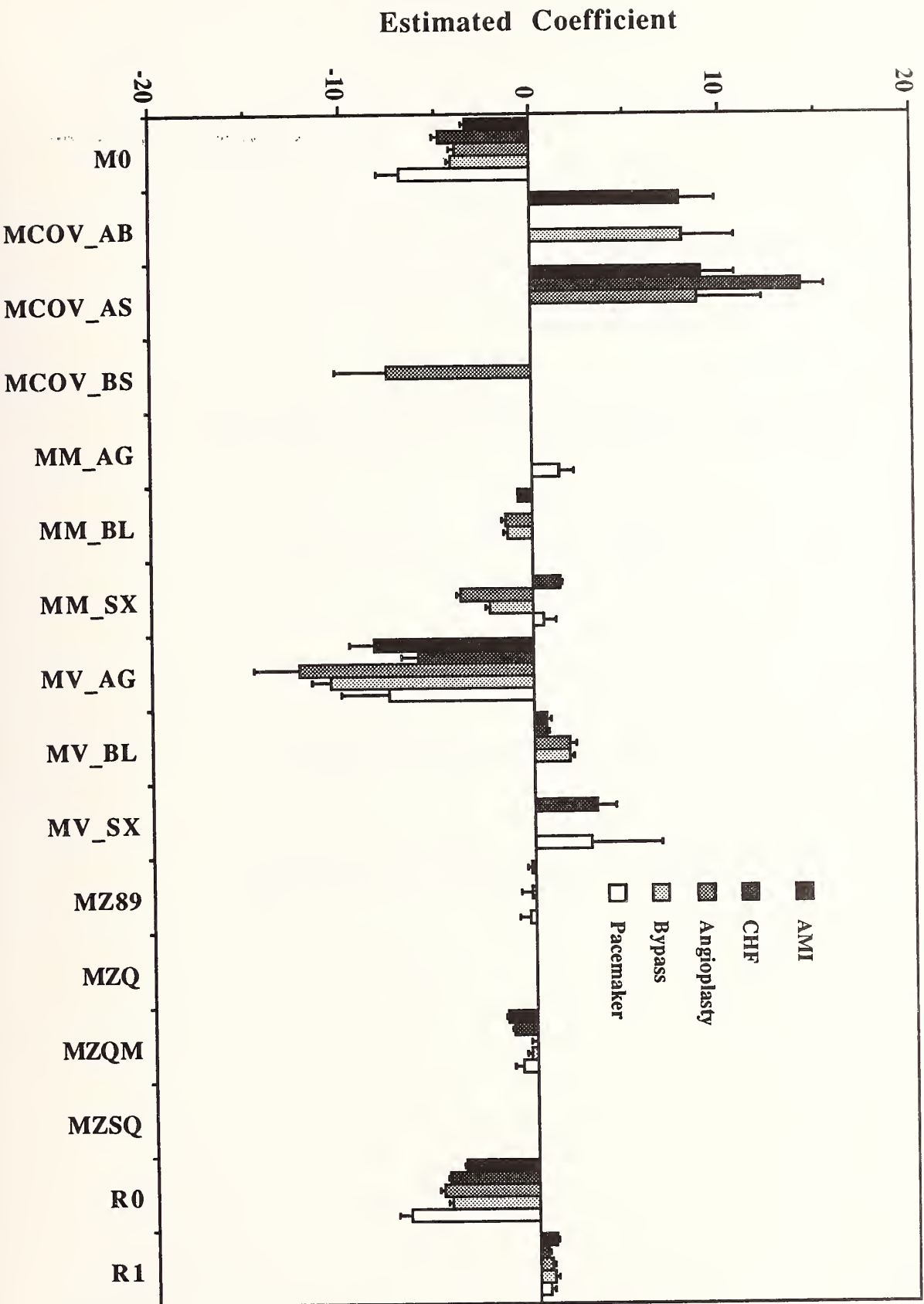


Figure B-1d.

Comparison of Estimates for Factors that Affect Hospital
Use for Heart Related Conditions and Procedures



SECTION C

HOSPITALIZATION AND

MORTALITY DATA

FOR

METROPOLITAN

STATISTICAL AREAS

HOSPITALIZATION AND MORTALITY DATA FOR METROPOLITAN STATISTICAL AREAS

This section presents data on post-admission mortality rates (the upper of the two tables on each page) and on population-based probabilities of hospitalization and of death (the lower of the two tables) in the Metropolitan Statistical Areas (MSA) of the United States.

The upper tables (Tables C-1a) have the form of and were computed in the same manner as the tables for individual hospitals, as described in Section A. Probabilities of death following admission were first computed for individual patients and were then aggregated to the level of the MSA. The MSA was that of the hospital to which the patient was admitted. These tables, therefore, provide a context in which the experience of hospitals can be evaluated. Thus, different inferences should be drawn if an unexpectedly high mortality rate observed in a hospital is or is not consistent with the pattern observed in its MSA. If it is, then a problem characteristic of the MSA, perhaps related to policies governing the management of the health care system, might be suggested. If it is not, then there is additional reason to suspect a problem specific to the hospital.

The lower tables (Tables C-1b) were computed in the manner described in Section B. Because they are the results of a cross-sectional rather than longitudinal analysis and represent the experience of a population in a fiscal year rather than the eventuation of an outcome (death) following an index event (a hospitalization), a single value each of the observed and predicted probability of admission or death is presented. All admissions, not just a selected admission as in the upper table, were used for the computation of probabilities of hospitalization. Similarly, all deaths of Medicare beneficiaries in the MSA were used in the calculation of the probability of death. Because the data represent the experience of a population, assignment of a person to an MSA is on the basis of that person's residence. In addition, because all deaths are included in the analyses and not only those that followed hospitalization, only probabilities of death without respect to reason for hospitalization were computed. "Eligibles", displayed in the center of the lower tables, is the number of persons with Medicare eligibility during FY89. Two columns in the lower tables differ from those in the upper. "Relative Rate" is the ratio of the observed to predicted probability of admission or death. "SE" is the standard error of the Relative Rate.

ANCHORAGE, AK
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,745	6.6	7.7	0.8	10.3	11.9	1.1	13.8	15.3	1.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	43	14.0	27.3	*	18.6	30.4	*	20.9	33.8	*
CONGESTIVE HEART FAILURE.....	76	11.8	13.4	4.8	22.4	20.6	4.8	27.6	26.9	5.6
PNEUMONIA/INFLUENZA.....	70	5.7	12.6	5.6	7.1	17.5	6.8	11.4	21.4	7.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	35	11.4	6.2	*	20.0	10.9	*	28.6	15.1	*
TRANSIENT CEREBRAL ISCHEMIA.....	15	0.0	1.7	*	0.0	3.9	*	13.3	6.3	*
STROKE.....	53	26.4	20.1	10.9	30.2	25.7	11.3	35.8	29.8	12.3
HIP FRACTURE.....	54	5.6	6.9	3.8	9.3	12.2	5.0	14.8	15.8	5.1
SEPSIS.....	11	27.3	21.5	*	27.3	28.1	*	27.3	34.2	*
PROCEDURES:										
ANGIPLASTY.....	8	0.0	1.8	*	0.0	2.3	*	0.0	3.2	*
CORONARY ARTERY BYPASS GRAFT.....	36	5.6	5.7	*	5.6	8.4	*	8.3	10.0	*
INITIAL PACEMAKER INSERTION.....	9	0.0	3.5	*	11.1	7.3	*	11.1	10.9	*
CARDIAC ENDARTERECTOMY.....	11	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	33	0.0	2.4	*	0.0	4.4	*	6.1	5.9	*
OPEN REDUCTION OF HIP FRACTURE.....	30	3.3	6.2	*	10.0	11.3	*	13.3	14.6	*
PROSTATECTOMY.....	87	0.0	0.9	1.3	0.0	2.3	2.5	2.3	3.9	3.3
CHOLECYSTECTOMY.....	29	0.0	3.4	*	0.0	5.9	*	3.4	7.5	*
HYSTERECTOMY.....	11	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 8,943						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.78	24.33	0.52	0.94	0.02		3.75	3.80	0.21	0.98	0.05
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.42	0.69	0.09	0.62	0.08						
CONGESTIVE HEART FAILURE.....	1.15	1.28	0.12	0.90	0.08						
PNEUMONIA/INFLUENZA.....	1.00	0.89	0.10	1.12	0.13						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.68	0.44	0.07	1.57	0.25						
TRANSIENT CEREBRAL ISCHEMIA.....	0.12	0.33	0.06	0.37	0.07						
STROKE.....	0.75	0.74	0.09	1.03	0.13						
HIP FRACTURE.....	0.45	0.43	0.07	1.05	0.17						
SEPSIS.....	0.29	0.30	0.06	0.98	0.19						
PROCEDURES:											
ANGIPLASTY.....	0.16	0.27	0.05	0.58	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.35	0.06	0.98	0.17						
INITIAL PACEMAKER INSERTION.....	0.06	0.16	0.04	0.35	0.09						
CARDIAC ENDARTERECTOMY.....	0.09	0.14	0.04	1.00	0.28						
HIP REPLACEMENT/RECONSTRUCTION.....	0.27	0.32	0.06	0.83	0.16						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.21	0.05	1.15	0.26						
PROSTATECTOMY.....	0.56	0.66	0.09	0.84	0.11						
CHOLECYSTECTOMY.....	0.35	0.36	0.06	0.95	0.17						
HYSTERECTOMY.....	0.10	0.16	0.04	0.64	0.17						

** QUANTITIES COULD NOT BE ESTIMATED

AK-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,732	7.0	8.2	0.8	11.7	12.3	1.1	15.0	15.7	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	57	12.3	24.9	7.9	14.0	28.3	8.0	24.6	31.9	6.7
CONGESTIVE HEART FAILURE.....	95	9.5	13.4	7.7	17.9	20.8	10.9	22.1	27.2	8.8
PNEUMONIA/INFLUENZA.....	122	12.3	13.1	3.4	20.5	18.3	5.1	24.6	22.4	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	51	11.8	9.1	4.6	15.7	15.5	5.1	21.6	20.7	6.0
TRANSIENT CEREBRAL ISCHEMIA.....	17	0.0	1.7	*	0.0	3.9	*	5.9	6.4	*
STROKE.....	59	16.9	22.2	7.7	20.3	28.3	9.6	25.4	33.0	9.2
HIP FRACTURE.....	35	0.0	5.1	*	2.9	9.0	*	2.9	11.7	*
SEPSIS.....	17	11.8	26.8	*	23.5	33.6	*	35.3	39.8	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	3	0.0	3.0	*	0.0	5.9	*	0.0	8.7	*
CAROTID ENDOARTERECTOMY.....	1	100.0	4.3	*	100.0	11.9	*	100.0	21.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	8	0.0	1.9	*	0.0	3.4	*	0.0	4.4	*
OPEN REDUCTION OF HIP FRACTURE.....	19	0.0	4.7	*	5.3	8.8	*	5.3	11.6	*
PROSTATECTOMY.....	26	0.0	0.8	*	0.0	2.1	*	7.7	3.6	*
CHOLECYSTECTOMY.....	36	0.0	2.1	*	0.0	3.7	*	0.0	5.0	*
HYSTERECTOMY.....	7	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 13,838						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.24	24.15	0.42	1.00	0.02		4.18	4.01	0.17	1.06	0.05
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.60	0.77	0.08	0.97	0.10						
CONGESTIVE HEART FAILURE.....	1.20	1.27	0.10	0.99	0.08						
PNEUMONIA/INFLUENZA.....	1.16	1.09	0.09	1.14	0.10						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.77	0.43	0.06	1.96	0.30						
TRANSIENT CEREBRAL ISCHEMIA.....	0.20	0.34	0.05	0.63	0.11						
STROKE.....	0.66	0.74	0.07	0.94	0.10						
HIP FRACTURE.....	0.36	0.46	0.06	0.84	0.12						
SEPSIS.....	0.21	0.28	0.05	0.94	0.19						
PROCEDURES:											
ANGIOPLASTY.....	0.12	0.28	0.05	0.56	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.41	0.06	1.00	0.16						
INITIAL PACEMAKER INSERTION.....	0.10	0.17	0.03	1.07	0.32						
CAROTID ENDOARTERECTOMY.....	0.09	0.13	0.03	1.00	0.34						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.39	0.05	0.93	0.15						
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.22	0.04	0.90	0.22						
PROSTATECTOMY.....	0.84	0.84	0.08	1.04	0.11						
CHOLECYSTECTOMY.....	0.32	0.40	0.05	0.82	0.13						
HYSTERECTOMY.....	0.14	0.16	0.03	0.89	0.28						

** QUANTITIES COULD NOT BE ESTIMATED

ANNISTON, AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,711	9.1	8.6	0.6	13.8	13.3	0.7	16.8	17.1	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	107	33.6	24.2	7.9	36.4	27.5	8.0	39.3	30.9	8.0
CONGESTIVE HEART FAILURE.....	127	13.4	15.0	3.4	25.2	23.5	4.1	29.9	30.5	4.1
PNEUMONIA/INFLUENZA.....	177	19.2	15.9	3.1	28.8	21.8	4.5	33.9	26.2	5.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	51	7.8	5.6	4.4	11.8	10.3	4.7	13.7	14.5	5.0
TRANSIENT CEREBRAL ISCHEMIA.....	77	1.3	1.7	1.6	1.3	3.6	3.3	5.2	5.7	2.9
STROKE.....	126	20.6	19.9	3.9	24.6	26.4	4.4	29.4	30.8	4.5
HIP FRACTURE.....	88	11.4	7.6	5.6	14.8	13.0	6.3	15.9	16.5	7.5
SEPSIS.....	17	35.3	27.8	*	41.2	38.1	*	41.2	44.4	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	27	7.4	3.2	*	7.4	6.5	*	7.4	9.8	*
CAROTID ENDOARTERECTOMY.....	6	0.0	1.6	*	0.0	3.1	*	0.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	47	6.4	5.5	*	8.5	9.9	*	8.5	13.1	*
OPEN REDUCTION OF HIP FRACTURE.....	13	15.4	7.0	*	30.8	12.6	*	30.8	16.3	*
PROSTATECTOMY.....	115	1.7	1.0	1.3	2.6	2.4	2.8	5.2	4.2	3.6
CHOLECYSTECTOMY.....	80	2.5	2.9	1.9	5.0	5.1	2.6	5.0	6.5	3.0
HYSTERECTOMY.....	24	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,489						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.77	31.96	0.43	1.12	0.01		4.91	4.65	0.16	1.06	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.09	0.97	0.07	1.12	0.09						
CONGESTIVE HEART FAILURE.....	1.61	1.98	0.11	0.80	0.04						
PNEUMONIA/INFLUENZA.....	1.69	1.39	0.09	1.21	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.65	0.06	0.65	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.57	0.49	0.05	1.15	0.13						
STROKE.....	1.13	1.05	0.08	1.08	0.08						
HIP FRACTURE.....	0.53	0.54	0.06	0.95	0.10						
SEPSIS.....	0.22	0.38	0.05	0.61	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.23	0.04	1.03	0.17						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.34	0.04	1.04	0.14						
INITIAL PACEMAKER INSERTION.....	0.26	0.19	0.03	1.41	0.27						
CAROTID ENDOARTERECTOMY.....	0.08	0.13	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.35	0.04	0.89	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.09	0.27	0.04	0.42	0.06						
PROSTATECTOMY.....	0.75	0.70	0.06	1.08	0.10						
CHOLECYSTECTOMY.....	0.56	0.51	0.05	1.12	0.12						
HYSTERECTOMY.....	0.15	0.17	0.03	0.98	0.20						

** QUANTITIES COULD NOT BE ESTIMATED

BIRMINGHAM, AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		DBS	PRED	SD	DBS	PRED	SD	DBS	PRED	SD
ALL CAUSES.....	34,435	8.1	8.0	0.2	12.7	12.4	0.3	15.9	15.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	882	25.6	26.2	1.6	29.7	29.4	1.9	31.9	32.7	1.9
CONGESTIVE HEART FAILURE.....	1,464	14.8	14.7	1.3	24.2	23.1	1.4	29.6	30.0	1.3
PNEUMONIA/INFLUENZA.....	1,349	16.5	16.2	1.3	23.9	22.1	1.7	28.1	26.7	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	420	4.8	6.4	2.1	11.4	11.6	1.6	17.1	16.1	1.9
TRANSIENT CEREBRAL ISCHEMIA.....	460	1.7	1.8	0.6	2.8	4.0	1.4	4.6	6.3	2.2
STROKE.....	1,133	17.8	20.7	1.9	24.3	27.0	2.3	28.3	31.5	2.1
HIP FRACTURE.....	654	7.6	6.7	1.6	12.8	11.9	1.8	16.8	15.3	2.9
SEPSIS.....	379	26.4	25.9	2.4	34.8	34.0	2.9	40.6	39.9	3.0
PROCEDURES:										
ANGIPLASTY.....	438	3.0	3.6	1.1	4.3	4.6	1.4	5.0	5.7	1.7
CORONARY ARTERY BYPASS GRAFT.....	959	4.6	5.6	0.9	7.3	7.9	0.9	9.7	9.3	1.0
INITIAL PACEMAKER INSERTION.....	260	3.5	3.2	1.3	6.5	6.0	1.7	9.6	8.7	2.0
CARDIAC ENDARTERECTOMY.....	244	2.0	1.4	0.9	3.3	2.6	1.6	6.1	3.8	2.4
HIP REPLACEMENT/RECONSTRUCTION.....	501	3.8	3.4	1.0	6.8	6.1	1.2	8.0	8.1	1.4
OPEN REDUCTION OF HIP FRACTURE.....	360	6.7	6.0	1.5	11.4	11.1	1.7	15.3	14.5	2.2
PROSTATECTOMY.....	792	0.9	0.9	0.3	2.0	2.3	0.6	3.4	3.8	1.0
CHOLECYSTECTOMY.....	534	2.8	2.7	0.9	4.7	4.8	1.0	5.8	6.3	1.2
HYSTERECTOMY.....	324	0.6	0.7	0.9	1.5	1.5	1.3	3.7	2.3	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 138,435						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.16	30.23	0.15	1.10	0.00		4.95	4.87	0.06	1.02	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.80	0.85	0.02	0.94	0.03						
CONGESTIVE HEART FAILURE.....	1.77	1.92	0.04	0.92	0.02						
PNEUMONIA/INFLUENZA.....	1.42	1.24	0.03	1.14	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.51	0.53	0.02	0.93	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.43	0.02	1.03	0.04						
STROKE.....	1.12	1.04	0.03	1.08	0.03						
HIP FRACTURE.....	0.60	0.54	0.02	1.12	0.04						
SEPSIS.....	0.43	0.39	0.02	1.06	0.05						
PROCEDURES:											
ANGIPLASTY.....	0.30	0.21	0.01	1.42	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.55	0.30	0.01	1.83	0.09						
INITIAL PACEMAKER INSERTION.....	0.24	0.19	0.01	1.32	0.09						
CARDIAC ENDARTERECTOMY.....	0.16	0.11	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.36	0.02	1.13	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.26	0.01	1.18	0.07						
PROSTATECTOMY.....	0.65	0.70	0.02	0.94	0.03						
CHOLECYSTECTOMY.....	0.45	0.42	0.02	1.10	0.05						
HYSTERECTOMY.....	0.20	0.16	0.01	1.29	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

COLUMBUS, GA-AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,304	8.4	7.0	0.5	12.7	10.8	0.5	16.0	13.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	182	27.5	24.4	5.4	30.8	27.4	6.1	34.6	30.6	6.8
CONGESTIVE HEART FAILURE.....	322	14.9	12.7	3.7	21.7	20.0	3.3	28.0	26.2	2.9
PNEUMONIA/INFLUENZA.....	232	13.4	13.5	2.9	25.0	18.7	3.4	29.7	22.8	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	76	3.9	5.7	3.2	9.2	10.3	4.0	14.5	14.3	4.0
TRANSIENT CEREBRAL ISCHEMIA.....	110	1.8	1.5	1.3	4.5	3.2	2.2	6.4	5.1	2.8
STROKE.....	249	23.7	19.4	4.8	29.3	25.8	4.4	32.1	30.2	3.4
HIP FRACTURE.....	167	6.6	6.0	2.5	10.2	10.7	2.5	14.4	13.9	2.8
SEPSIS.....	76	26.3	25.5	6.1	36.8	33.6	6.3	43.4	39.8	7.8
PROCEDURES:										
ANGIOPLASTY.....	30	0.0	3.0	*	0.0	3.7	*	0.0	4.6	*
CORONARY ARTERY BYPASS GRAFT.....	74	8.1	5.6	4.1	9.5	7.7	3.8	10.8	9.1	3.8
INITIAL PACEMAKER INSERTION.....	52	3.8	3.1	2.7	3.8	6.1	3.8	3.8	9.0	5.5
CAROTID ENDARTERECTOMY.....	56	3.6	1.3	2.6	5.4	2.4	2.9	5.4	3.4	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	125	3.2	2.3	1.6	5.6	4.4	2.0	8.8	6.0	3.3
OPEN REDUCTION OF HIP FRACTURE.....	89	6.7	5.7	2.7	10.1	10.6	3.5	10.1	14.0	4.9
PROSTATECTOMY.....	233	0.0	1.0	1.8	1.7	2.1	1.9	4.7	3.4	2.0
CHOLECYSTECTOMY.....	135	4.4	1.9	2.2	4.4	3.5	2.0	8.1	4.5	3.0
HYSTERECTOMY.....	53	0.0	0.5	1.1	0.0	1.0	1.7	1.9	1.6	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 30,450						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.34	32.67	0.33	0.87	0.01		4.75	4.78	0.13	0.99	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.92	0.05	0.82	0.05						
CONGESTIVE HEART FAILURE.....	1.63	2.13	0.08	0.76	0.03						
PNEUMONIA/INFLUENZA.....	1.02	1.28	0.06	0.82	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.32	0.61	0.05	0.53	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.42	0.50	0.04	0.85	0.07						
STROKE.....	1.00	1.15	0.06	0.87	0.05						
HIP FRACTURE.....	0.53	0.50	0.04	1.05	0.09						
SEPSIS.....	0.32	0.43	0.04	0.71	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.21	0.03	0.82	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.32	0.03	1.06	0.11						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.02	0.92	0.13						
CAROTID ENDARTERECTOMY.....	0.21	0.12	0.02	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.26	0.31	0.03	1.00	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.25	0.03	1.16	0.14						
PROSTATECTOMY.....	0.74	0.68	0.05	1.07	0.08						
CHOLECYSTECTOMY.....	0.45	0.46	0.04	1.02	0.09						
HYSTERECTOMY.....	0.14	0.15	0.02	0.89	0.14						

** QUANTITIES COULD NOT BE ESTIMATED

DOTHAN, AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,901	6.3	7.9	0.4	9.5	12.2	0.5	12.2	15.6	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	182	22.0	26.5	5.5	25.3	29.6	6.3	26.4	32.9	6.9
CONGESTIVE HEART FAILURE.....	307	10.4	13.1	2.7	18.2	20.8	3.3	22.8	27.3	4.6
PNEUMONIA/INFLUENZA.....	189	12.2	16.0	3.3	15.3	22.1	4.4	20.6	26.9	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	118	9.3	6.1	3.2	11.9	11.3	3.0	14.4	16.1	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	123	0.0	1.7	1.8	1.6	3.6	2.6	4.1	5.7	3.1
STROKE.....	221	15.4	20.0	4.9	24.0	26.5	5.4	27.1	30.9	5.6
HIP FRACTURE.....	161	6.8	6.5	2.0	9.9	11.4	3.1	11.8	14.6	4.9
SEPSIS.....	44	22.7	24.3	*	27.3	32.1	*	29.5	37.8	*
PROCEDURES:										
ANGIOPLASTY.....	88	1.1	5.3	3.5	2.3	6.3	3.9	2.3	7.5	4.3
CORONARY ARTERY BYPASS GRAFT.....	72	5.6	6.1	2.9	6.9	8.1	3.5	8.3	9.5	4.0
INITIAL PACEMAKER INSERTION.....	59	3.4	3.0	2.4	5.1	6.2	3.5	10.2	9.4	3.9
CAROTID ENDARTERECTOMY.....	39	0.0	1.5	*	0.0	2.9	*	0.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	102	4.9	3.0	2.3	5.9	5.6	2.4	5.9	7.5	3.2
OPEN REDUCTION OF HIP FRACTURE.....	105	4.8	5.7	2.5	8.6	10.6	4.0	11.4	13.8	4.9
PROSTATECTOMY.....	223	0.9	1.1	0.8	1.8	2.7	1.6	2.2	4.4	2.4
CHOLECYSTECTOMY.....	132	3.0	2.8	1.6	3.8	4.9	2.3	3.8	6.4	2.8
HYSTERECTOMY.....	35	0.0	0.4	*	0.0	1.0	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,736						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	37.48	31.53	0.43	1.19	0.02		4.48	4.78	0.17	0.94	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.82	0.95	0.08	0.87	0.07						
CONGESTIVE HEART FAILURE.....	2.24	1.99	0.11	1.12	0.06						
PNEUMONIA/INFLUENZA.....	1.37	1.37	0.09	**	**						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.79	0.59	0.06	1.30	0.13						
TRANSIENT CEREBRAL ISCHEMIA.....	0.60	0.48	0.05	1.17	0.14						
STROKE.....	1.08	1.07	0.08	1.00	0.08						
HIP FRACTURE.....	0.63	0.55	0.06	1.13	0.12						
SEPSIS.....	0.38	0.40	0.05	0.98	0.13						
PROCEDURES:											
ANGIOPLASTY.....	0.36	0.23	0.04	1.60	0.28						
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.35	0.05	0.77	0.11						
INITIAL PACEMAKER INSERTION.....	0.25	0.19	0.03	1.30	0.26						
CAROTID ENDARTERECTOMY.....	0.15	0.12	0.03	1.00	0.26						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.36	0.05	1.01	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.42	0.28	0.04	1.52	0.24						
PROSTATECTOMY.....	0.87	0.74	0.07	1.00	0.09						
CHOLECYSTECTOMY.....	0.57	0.48	0.05	1.18	0.14						
HYSTERECTOMY.....	0.13	0.16	0.03	0.81	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

FLORENCE, AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,451	7.1	7.8	0.4	11.4	12.2	0.6	14.4	15.7	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	120	25.0	25.1	4.4	29.2	28.0	4.3	32.5	31.2	5.0
CONGESTIVE HEART FAILURE.....	205	13.2	14.6	2.7	19.5	22.6	4.1	23.9	29.2	5.5
PNEUMONIA/INFLUENZA.....	212	11.8	14.4	2.8	20.8	19.9	2.8	24.1	24.3	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	97	4.1	4.3	2.7	7.2	8.1	2.9	11.3	11.6	3.3
TRANSIENT CEREBRAL ISCHEMIA.....	104	1.0	1.7	1.4	2.9	3.8	2.1	3.8	6.2	3.0
STROKE.....	184	13.0	19.2	4.4	19.6	25.9	4.5	22.8	30.2	5.1
HIP FRACTURE.....	115	7.8	6.6	4.3	13.0	11.7	4.3	15.7	15.0	3.6
SEPSIS.....	48	20.8	23.5	*	29.2	31.1	*	29.2	36.5	*
PROCEDURES:										
ANGIOPLASTY.....	69	7.2	3.6	3.6	8.7	4.6	4.1	8.7	5.8	4.4
CORONARY ARTERY BYPASS GRAFT.....	39	7.7	5.2	*	10.3	7.4	*	10.3	8.9	*
INITIAL PACEMAKER INSERTION.....	14	7.1	2.0	*	7.1	4.3	*	7.1	6.6	*
CAROTID ENDARTERECTOMY.....	20	0.0	2.0	*	0.0	4.0	*	5.0	5.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	55	10.9	4.8	5.5	16.4	8.8	7.5	20.0	11.5	8.1
OPEN REDUCTION OF HIP FRACTURE.....	65	4.6	5.7	3.1	9.2	10.6	4.1	10.8	13.9	5.1
PROSTATECTOMY.....	184	1.1	1.0	0.9	2.7	2.4	1.2	4.3	4.0	1.5
CHOLECYSTECTOMY.....	94	3.2	2.6	2.6	4.3	4.7	3.1	5.3	6.1	3.1
HYSTERECTOMY.....	23	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 21,906									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.80	30.74	0.38	1.16	0.01	4.45	4.64	0.14	0.96	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.96	0.07	0.89	0.06					
CONGESTIVE HEART FAILURE.....	1.63	1.88	0.09	0.87	0.04					
PNEUMONIA/INFLUENZA.....	1.42	1.39	0.08	1.03	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.80	0.63	0.05	1.24	0.11					
TRANSIENT CEREBRAL ISCHEMIA.....	0.64	0.49	0.05	1.35	0.13					
STROKE.....	1.04	1.01	0.07	1.05	0.07					
HIP FRACTURE.....	0.55	0.56	0.05	0.98	0.09					
SEPSIS.....	0.32	0.37	0.04	0.84	0.10					
PROCEDURES:										
ANGIOPLASTY.....	0.48	0.25	0.03	1.89	0.27					
CORONARY ARTERY BYPASS GRAFT.....	0.51	0.37	0.04	1.38	0.16					
INITIAL PACEMAKER INSERTION.....	0.10	0.19	0.03	0.58	0.10					
CAROTID ENDARTERECTOMY.....	0.15	0.14	0.03	1.00	0.20					
HIP REPLACEMENT/RECONSTRUCTION.....	0.30	0.37	0.04	0.83	0.09					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.28	0.04	1.05	0.14					
PROSTATECTOMY.....	0.92	0.75	0.06	1.22	0.10					
CHOLECYSTECTOMY.....	0.54	0.50	0.05	1.09	0.10					
HYSTERECTOMY.....	0.14	0.17	0.03	0.86	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

GADSDEN, AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,415	8.8	8.5	0.5	13.2	12.7	0.5	16.3	16.1	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	139	35.3	28.4	6.0	37.4	31.3	6.6	42.4	34.4	7.0
CONGESTIVE HEART FAILURE.....	237	15.6	14.3	3.1	24.9	22.2	4.6	30.0	28.8	3.7
PNEUMONIA/INFLUENZA.....	290	16.9	16.0	2.2	24.1	21.7	3.3	30.3	26.3	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	48	6.3	5.1	*	12.5	9.8	*	14.6	13.9	*
TRANSIENT CEREBRAL ISCHEMIA.....	95	0.0	2.0	1.9	1.1	4.1	2.8	4.2	6.4	2.9
STROKE.....	144	17.4	18.9	3.7	22.9	25.4	4.4	25.7	29.8	6.3
HIP FRACTURE.....	115	12.2	7.7	3.5	15.7	13.1	6.0	22.6	16.6	5.8
SEPSIS.....	41	31.7	25.5	*	39.0	33.5	*	41.5	39.4	*
PROCEDURES:										
ANGIOPLASTY.....	40	2.5	2.4	*	2.5	3.1	*	2.5	4.1	*
CORONARY ARTERY BYPASS GRAFT.....	32	0.0	6.4	*	6.3	8.5	*	6.3	9.7	*
INITIAL PACEMAKER INSERTION.....	49	4.1	3.1	*	10.2	6.2	*	12.2	9.2	*
CARDIAC ENDARTERECTOMY.....	19	10.5	1.7	*	10.5	3.3	*	10.5	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	74	6.8	4.5	2.9	8.1	8.2	6.4	16.2	10.8	6.0
OPEN REDUCTION OF HIP FRACTURE.....	63	9.5	6.7	3.9	14.3	12.1	6.0	19.0	15.5	8.1
PROSTATECTOMY.....	106	1.9	1.0	1.1	3.8	2.3	2.2	7.5	3.9	3.7
CHOLECYSTECTOMY.....	86	1.2	3.1	2.5	5.8	5.6	2.7	7.0	7.2	2.8
HYSTERECTOMY.....	25	0.0	1.2	*	0.0	2.4	*	4.0	3.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 18,234						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.20	31.13	0.41	1.13	0.01		4.88	4.58	0.16	1.06	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.04	0.97	0.07	1.07	0.08						
CONGESTIVE HEART FAILURE.....	2.14	1.94	0.10	1.10	0.06						
PNEUMONIA/INFLUENZA.....	2.24	1.34	0.09	1.68	0.11						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.61	0.64	0.06	0.96	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.63	0.48	0.05	1.30	0.14						
STROKE.....	1.05	1.02	0.07	1.02	0.07						
HIP FRACTURE.....	0.64	0.54	0.05	1.14	0.12						
SEPSIS.....	0.35	0.37	0.05	0.92	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.35	0.24	0.04	1.47	0.23						
CORONARY ARTERY BYPASS GRAFT.....	0.65	0.35	0.04	1.84	0.23						
INITIAL PACEMAKER INSERTION.....	0.27	0.19	0.03	1.38	0.24						
CARDIAC ENDARTERECTOMY.....	0.16	0.14	0.03	1.00	0.21						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.36	0.04	1.14	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.27	0.04	1.31	0.19						
PROSTATECTOMY.....	0.69	0.72	0.06	0.97	0.09						
CHOLECYSTECTOMY.....	0.55	0.50	0.05	1.09	0.11						
HYSTERECTOMY.....	0.14	0.17	0.03	0.88	0.17						

** QUANTITIES COULD NOT BE ESTIMATED

HUNTSVILLE, AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,330	9.3	9.4	0.4	14.1	14.1	0.5	17.6	17.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	276	29.0	27.0	4.1	33.3	30.3	4.2	35.1	33.6	3.7
CONGESTIVE HEART FAILURE.....	316	15.2	14.7	2.1	21.8	22.6	2.9	27.5	29.1	3.8
PNEUMONIA/INFLUENZA.....	203	19.7	17.4	2.8	26.1	23.8	3.3	27.6	28.6	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	82	1.2	6.0	4.3	11.0	10.7	4.9	12.2	14.8	5.1
TRANSIENT CEREBRAL ISCHEMIA.....	68	2.9	1.7	1.9	2.9	3.9	2.5	5.9	6.2	3.1
STROKE.....	238	23.1	21.4	3.4	29.0	27.7	3.2	32.8	32.1	3.1
HIP FRACTURE.....	145	6.2	6.4	2.7	13.8	11.2	3.5	15.2	14.4	3.6
SEPSIS.....	65	24.6	25.4	6.8	36.9	33.8	6.7	38.5	39.8	6.5
PROCEDURES:										
ANGIOPLASTY.....	58	3.4	4.9	3.0	5.2	5.8	3.1	5.2	7.0	3.8
CORONARY ARTERY BYPASS GRAFT.....	119	5.9	6.9	3.1	8.4	9.3	3.0	10.1	10.8	3.5
INITIAL PACEMAKER INSERTION.....	39	2.6	3.8	*	5.1	6.8	*	5.1	9.3	*
CAROTID ENDOARTERECTOMY.....	51	0.0	1.3	2.0	0.0	2.5	3.1	2.0	3.6	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	127	4.7	3.0	2.5	9.4	5.6	3.3	12.6	7.6	4.2
OPEN REDUCTION OF HIP FRACTURE.....	58	3.4	6.1	4.4	6.9	10.9	7.3	6.9	14.0	9.5
PROSTATECTOMY.....	209	1.4	0.9	0.8	2.4	2.2	1.1	3.8	3.7	1.3
CHOLECYSTECTOMY.....	136	1.5	3.1	2.2	4.4	5.4	3.2	5.1	7.0	3.8
HYSTERECTOMY.....	55	0.0	0.8	*	0.0	1.7	*	0.0	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,430									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.57	29.40	0.35	0.97	0.01	4.80	4.49	0.14	1.07	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.08	0.88	0.06	1.21	0.08					
CONGESTIVE HEART FAILURE.....	1.73	1.78	0.09	0.98	0.05					
PNEUMONIA/INFLUENZA.....	1.07	1.18	0.07	0.90	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.53	0.05	0.68	0.06					
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.45	0.04	0.55	0.05					
STROKE.....	1.08	0.99	0.06	1.09	0.07					
HIP FRACTURE.....	0.61	0.53	0.05	1.14	0.10					
SEPSIS.....	0.41	0.37	0.04	1.16	0.13					
PROCEDURES:										
ANGIOPLASTY.....	0.17	0.23	0.03	0.66	0.10					
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.36	0.04	1.21	0.14					
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.03	0.69	0.12					
CAROTID ENDOARTERECTOMY.....	0.13	0.12	0.02	1.00	0.22					
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.36	0.04	1.28	0.15					
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.26	0.03	1.05	0.14					
PROSTATECTOMY.....	0.83	0.73	0.06	1.13	0.09					
CHOLECYSTECTOMY.....	0.45	0.45	0.04	0.98	0.10					
HYSTERECTOMY.....	0.20	0.16	0.03	1.28	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

MOBILE, AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	14,977	7.8	8.3	0.4	12.5	12.8	0.4	16.0	16.4	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	418	25.1	27.4	3.5	28.0	30.4	3.9	30.4	33.7	3.9
CONGESTIVE HEART FAILURE.....	724	14.4	12.8	1.8	23.1	20.2	2.7	30.2	26.6	3.1
PNEUMONIA/INFLUENZA.....	529	10.2	15.5	2.3	16.1	21.3	2.5	19.3	26.1	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	252	7.9	7.2	1.7	11.5	12.6	2.4	15.9	17.4	3.2
TRANSIENT CEREBRAL ISCHEMIA.....	257	0.4	1.8	1.4	1.9	4.1	2.1	5.1	6.4	2.4
STROKE.....	549	18.0	19.1	1.9	24.4	25.5	2.8	27.7	29.8	3.1
HIP FRACTURE.....	320	6.2	6.0	1.4	11.2	10.7	1.8	15.9	14.0	3.1
SEPSIS.....	163	22.1	25.6	9.3	34.4	33.5	7.6	38.0	39.6	6.6
PROCEDURES:										
ANGIOPLASTY.....	167	4.2	3.4	1.5	4.2	4.3	1.9	6.6	5.5	2.3
CORONARY ARTERY BYPASS GRAFT.....	185	13.0	5.5	2.8	13.5	7.9	2.6	15.7	9.4	2.8
INITIAL PACEMAKER INSERTION.....	99	1.0	2.5	2.6	6.1	5.2	2.3	7.1	7.8	2.9
CAROTID ENDARTERECTOMY.....	103	0.0	1.7	2.2	1.9	3.2	3.1	2.9	4.7	3.3
HIP REPLACEMENT/RECONSTRUCTION.....	222	2.7	3.3	1.4	5.0	5.8	1.7	9.9	7.6	2.0
OPEN REDUCTION OF HIP FRACTURE.....	179	6.7	5.3	2.9	12.3	10.1	3.9	14.5	13.4	3.3
PROSTATECTOMY.....	415	0.5	1.2	0.8	2.2	2.7	1.1	4.1	4.5	1.2
CHOLECYSTECTOMY.....	356	2.2	2.9	1.0	5.3	5.1	1.4	7.6	6.6	2.0
HYSTERECTOMY.....	116	2.6	0.8	1.6	3.4	1.8	2.0	3.4	2.7	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 15,337						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.26	29.35	0.44	1.03	0.01		4.21	4.48	0.17	0.94	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.96	0.08	1.03	0.08						
CONGESTIVE HEART FAILURE.....	1.90	1.80	0.11	1.06	0.06						
PNEUMONIA/INFLUENZA.....	1.11	1.29	0.09	0.87	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.58	0.06	0.91	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.65	0.46	0.05	1.42	0.17						
STROKE.....	0.99	0.98	0.08	1.01	0.08						
HIP FRACTURE.....	0.57	0.54	0.06	1.06	0.12						
SEPSIS.....	0.28	0.37	0.05	0.77	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.31	0.29	0.04	1.08	0.16						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.40	0.05	0.84	0.11						
INITIAL PACEMAKER INSERTION.....	0.22	0.20	0.04	1.08	0.19						
CAROTID ENDARTERECTOMY.....	0.18	0.16	0.03	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.39	0.05	1.20	0.15						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.27	0.04	1.02	0.16						
PROSTATECTOMY.....	0.70	0.85	0.07	0.82	0.07						
CHOLECYSTECTOMY.....	0.47	0.49	0.06	0.95	0.11						
HYSTERECTOMY.....	0.18	0.17	0.03	1.06	0.20						

** QUANTITIES COULD NOT BE ESTIMATED

MONTGOMERY, AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	9,301	8.9	8.6	0.4	13.7	13.2	0.5	17.3	16.9	0.5
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	218	29.8	26.2	4.9	33.9	29.6	5.6	37.2	33.0	5.5
CONGESTIVE HEART FAILURE.....	451	13.7	14.3	2.2	23.5	22.4	2.7	31.7	29.0	4.3
PNEUMONIA/INFLUENZA.....	317	14.5	15.9	2.3	21.5	21.7	3.0	25.6	26.4	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	151	7.9	7.8	2.4	11.9	13.3	3.2	15.9	18.2	4.4
TRANSIENT CEREBRAL ISCHEMIA.....	170	2.4	1.8	1.2	5.9	3.9	2.3	7.6	6.0	3.8
STROKE.....	315	23.5	21.7	2.5	29.2	28.3	2.6	35.2	32.8	3.1
HIP FRACTURE.....	222	7.2	7.1	1.7	12.2	12.6	2.3	16.2	16.1	2.5
SEPSIS.....	130	32.3	28.0	5.6	40.8	36.7	6.3	49.2	43.0	7.1
PROCEDURES:										
ANGIOPLASTY.....	95	5.3	4.2	2.3	5.3	5.1	2.4	5.3	6.3	3.0
CORONARY ARTERY BYPASS GRAFT.....	90	6.7	5.2	3.1	8.9	7.4	3.1	8.9	9.0	3.1
INITIAL PACEMAKER INSERTION.....	62	6.5	4.0	3.3	9.7	7.7	4.4	12.9	10.9	4.8
CAROTID ENOARTERECTOMY.....	66	4.5	1.3	3.0	4.5	2.4	3.3	4.5	3.6	4.0
HIP REPLACEMENT/RECONSTRUCTION.....	148	3.4	3.7	2.4	6.8	6.8	2.7	9.5	8.9	2.4
OPEN REDUCTION OF HIP FRACTURE.....	129	7.8	6.6	3.0	12.4	12.0	3.1	16.3	15.6	3.3
PROSTATECTOMY.....	284	0.7	0.9	0.8	2.5	2.2	1.2	4.2	3.7	1.7
CHOLECYSTECTOMY.....	176	3.4	2.8	1.6	5.7	5.0	1.8	7.4	6.5	2.0
HYSTERECTOMY.....	53	1.9	0.5	1.7	1.9	1.1	2.0	1.9	1.6	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 39,158						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	29.90	30.36	0.28	0.99	0.01		4.96	4.96	0.11	**	**
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.71	0.83	0.05	0.85	0.05						
CONGESTIVE HEART FAILURE.....	1.78	1.93	0.07	0.91	0.03						
PNEUMONIA/INFLUENZA.....	1.06	1.22	0.06	0.87	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.56	0.50	0.04	1.12	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.47	0.43	0.03	1.03	0.08						
STROKE.....	0.94	1.06	0.05	0.87	0.04						
HIP FRACTURE.....	0.59	0.54	0.04	1.11	0.08						
SEPSIS.....	0.44	0.41	0.03	1.06	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.37	0.20	0.02	1.75	0.21						
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.30	0.03	1.05	0.10						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.02	1.06	0.13						
CAROTID ENOARTERECTOMY.....	0.15	0.10	0.02	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.35	0.03	1.16	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.26	0.03	1.20	0.13						
PROSTATECTOMY.....	0.65	0.69	0.04	0.93	0.06						
CHOLECYSTECTOMY.....	0.47	0.40	0.03	1.17	0.10						
HYSTERECTOMY.....	0.15	0.15	0.02	0.95	0.14						

** QUANTITIES COULD NOT BE ESTIMATED

TUSCALOOSA, AL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,431	7.1	8.5	0.4	11.9	13.2	0.8	14.7	16.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	127	22.0	27.2	4.5	26.0	30.4	4.6	26.0	33.7	5.1
CONGESTIVE HEART FAILURE.....	234	14.1	15.0	2.7	23.5	23.5	2.8	29.5	30.4	3.3
PNEUMONIA/INFLUENZA.....	191	6.8	15.1	3.8	13.1	20.6	3.9	20.4	25.1	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	39	10.3	7.9	*	15.4	14.1	*	15.4	19.5	*
TRANSIENT CEREBRAL ISCHEMIA.....	150	0.7	1.6	1.2	1.3	3.5	2.1	2.7	5.6	2.6
STROKE.....	212	14.6	18.4	4.2	19.8	25.5	5.3	23.1	29.9	6.2
HIP FRACTURE.....	133	4.5	6.7	4.0	9.8	11.7	5.1	12.8	15.2	5.0
SEPSIS.....	60	31.7	35.0	6.9	43.3	44.3	6.5	51.7	51.2	8.6
PROCEDURES:										
ANGIOPLASTY.....	72	2.8	4.6	5.2	2.8	5.5	5.8	2.8	6.6	6.4
CORONARY ARTERY BYPASS GRAFT.....	89	6.7	6.3	2.7	9.0	8.6	3.0	11.2	10.1	3.4
INITIAL PACEMAKER INSERTION.....	9	11.1	2.5	*	11.1	5.2	*	11.1	8.0	*
CAROTID ENDARTERECTOMY.....	26	0.0	1.6	*	0.0	3.0	*	3.8	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	109	5.5	5.0	2.7	9.2	9.3	2.8	10.1	12.4	3.7
OPEN REDUCTION OF HIP FRACTURE.....	53	1.9	5.6	4.1	7.5	10.3	6.2	11.3	13.5	7.1
PROSTATECTOMY.....	165	0.6	1.3	1.1	1.8	2.8	1.9	2.4	4.5	2.8
CHOLECYSTECTOMY.....	108	5.6	3.8	2.4	8.3	6.4	3.4	10.2	8.0	3.8
HYSTERECTOMY.....	30	0.0	0.7	*	3.3	1.5	*	3.3	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 18,894						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.93	31.81	0.41	1.00	0.01		4.38	4.97	0.16	0.88	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.64	0.88	0.07	0.74	0.06						
CONGESTIVE HEART FAILURE.....	1.80	2.01	0.10	0.89	0.05						
PNEUMONIA/INFLUENZA.....	1.25	1.44	0.09	0.87	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.34	0.62	0.06	0.53	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.75	0.47	0.05	1.64	0.18						
STROKE.....	1.14	1.06	0.07	1.07	0.08						
HIP FRACTURE.....	0.59	0.54	0.05	1.10	0.11						
SEPSIS.....	0.41	0.43	0.05	0.90	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.33	0.22	0.04	1.47	0.24						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.32	0.04	1.32	0.18						
INITIAL PACEMAKER INSERTION.....	0.05	0.18	0.03	0.17	0.03						
CAROTID ENDARTERECTOMY.....	0.14	0.11	0.03	1.00	0.25						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.34	0.04	1.47	0.19						
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.27	0.04	0.76	0.11						
PROSTATECTOMY.....	0.63	0.69	0.06	0.90	0.08						
CHOLECYSTECTOMY.....	0.52	0.45	0.05	1.19	0.13						
HYSTERECTOMY.....	0.14	0.16	0.03	0.83	0.17						

** QUANTITIES COULD NOT BE ESTIMATED

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MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	36,354	9.0	9.1	0.2	13.3	13.7	0.2	16.6	17.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,007	30.9	29.3	1.5	35.3	32.8	1.8	38.3	36.4	1.6
CONGESTIVE HEART FAILURE.....	1,823	14.0	14.9	1.0	22.1	23.2	1.5	27.9	30.0	1.3
PNEUMONIA/INFLUENZA.....	2,172	13.9	15.4	1.0	18.8	21.0	1.1	22.2	25.5	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	742	4.0	6.3	1.2	8.2	11.2	1.8	11.1	15.6	1.9
TRANSIENT CEREBRAL ISCHEMIA.....	781	2.7	2.0	0.7	5.4	4.5	1.0	8.7	7.2	1.6
STROKE.....	1,472	22.5	21.2	2.3	29.5	27.8	2.2	33.4	32.4	1.8
HIP FRACTURE.....	533	6.9	7.0	1.2	11.8	12.4	1.6	15.2	15.9	1.7
SEPSIS.....	466	28.8	28.8	2.2	35.4	36.6	2.9	41.2	42.8	2.8
PROCEDURES:										
ANGIOPLASTY.....	82	4.9	5.1	2.5	7.3	6.1	2.7	8.5	7.3	3.1
CORONARY ARTERY BYPASS GRAFT.....	41	2.4	5.6	*	9.8	7.9	*	9.8	9.3	*
INITIAL PACEMAKER INSERTION.....	121	7.4	3.5	3.4	9.1	6.5	3.5	11.6	9.4	3.4
CARDIAC ENDARTERECTOMY.....	78	0.0	1.4	1.9	0.0	2.6	3.2	2.6	3.8	2.5
HIP REPLACEMENT/RECONSTRUCTION.....	297	5.7	4.8	1.5	9.1	8.8	1.7	11.8	11.6	1.9
OPEN REDUCTION OF HIP FRACTURE.....	278	6.1	6.1	1.5	10.4	11.2	2.0	12.6	14.6	2.8
PROSTATECTOMY.....	700	0.6	1.2	0.6	2.0	2.7	0.8	4.3	4.4	0.8
CHOLECYSTECTOMY.....	687	3.3	2.4	0.8	5.2	4.3	0.9	6.6	5.6	1.0
HYSTERECTOMY.....	220	0.5	0.6	0.5	1.8	1.2	1.1	1.8	1.8	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 234,978						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.73	32.64	0.12	1.09	0.00		4.68	4.91	0.05	0.95	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.04	0.98	0.02	1.06	0.02						
CONGESTIVE HEART FAILURE.....	1.93	2.04	0.03	0.94	0.01						
PNEUMONIA/INFLUENZA.....	1.64	1.53	0.03	1.07	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.74	0.63	0.02	1.17	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.64	0.49	0.01	1.28	0.04						
STROKE.....	1.22	1.11	0.02	1.11	0.02						
HIP FRACTURE.....	0.54	0.56	0.02	0.96	0.03						
SEPSIS.....	0.42	0.39	0.01	1.05	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.30	0.21	0.01	1.35	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.33	0.01	1.26	0.05						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.97	0.05						
CARDIAC ENDARTERECTOMY.....	0.17	0.12	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.36	0.01	**	**						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.27	0.01	0.98	0.04						
PROSTATECTOMY.....	0.73	0.75	0.02	0.98	0.02						
CHOLECYSTECTOMY.....	0.56	0.50	0.01	1.12	0.03						
HYSTERECTOMY.....	0.19	0.17	0.01	1.14	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

FAYETTEVILLE-SPRINGDALE, AR
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	3,994	8.2	7.9	0.5	11.9	12.0	0.6	14.4	15.2	0.7
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	160	26.2	24.7	4.5	29.4	28.1	4.0	30.6	31.5	3.8
CONGESTIVE HEART FAILURE.....	150	13.3	13.6	2.8	20.7	21.0	4.7	25.3	27.4	4.6
PNEUMONIA/INFLUENZA.....	182	14.3	16.1	4.6	20.3	22.1	4.9	23.6	26.8	6.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	52	7.7	5.2	4.1	17.3	9.8	6.6	19.2	14.0	8.0
TRANSIENT CEREBRAL ISCHEMIA.....	47	0.0	1.7	*	4.3	3.7	*	4.3	5.9	*
STROKE.....	153	20.9	18.4	3.8	24.2	24.4	3.6	28.8	28.7	3.7
HIP FRACTURE.....	135	7.4	5.6	4.3	11.9	10.2	4.2	15.6	13.5	4.3
SEPSIS.....	27	22.2	24.3	*	33.3	33.9	*	37.0	40.8	*
PROCEDURES:										
ANGIOPLASTY.....	58	1.7	4.4	3.1	1.7	5.5	3.6	3.4	6.8	4.0
CORONARY ARTERY BYPASS GRAFT.....	85	3.5	5.0	3.7	3.5	7.2	5.2	5.9	8.8	5.3
INITIAL PACEMAKER INSERTION.....	40	0.0	2.9	*	5.0	5.9	*	7.5	8.8	*
CAROTID ENDOARTERECTOMY.....	28	3.6	1.4	*	3.6	2.6	*	7.1	3.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	102	2.0	3.2	2.4	4.9	6.1	3.2	6.9	8.3	3.5
OPEN REDUCTION OF HIP FRACTURE.....	67	10.4	5.2	6.0	13.4	9.7	6.6	17.9	13.0	6.6
PROSTATECTOMY.....	125	0.0	1.0	1.2	0.0	2.5	2.2	0.8	4.1	2.6
CHOLECYSTECTOMY.....	109	2.8	2.5	1.6	6.4	4.4	3.6	6.4	5.8	3.8
HYSTERECTOMY.....	31	0.0	1.1	*	0.0	2.2	*	0.0	3.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 14,588						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	28.08	29.11	0.45	0.96	0.01		4.31	4.59	0.18	0.94	0.04
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.94	0.96	0.08	0.97	0.08						
CONGESTIVE HEART FAILURE.....	1.45	1.71	0.11	0.84	0.05						
PNEUMONIA/INFLUENZA.....	1.56	1.40	0.10	1.11	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.60	0.07	0.80	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.34	0.43	0.05	0.78	0.10						
STROKE.....	0.99	0.91	0.08	1.06	0.09						
HIP FRACTURE.....	0.82	0.59	0.06	1.39	0.15						
SEPSIS.....	0.30	0.31	0.05	0.97	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.21	0.23	0.04	1.15	0.21						
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.35	0.05	1.13	0.16						
INITIAL PACEMAKER INSERTION.....	0.25	0.19	0.04	1.27	0.26						
CAROTID ENDOARTERECTOMY.....	0.15	0.13	0.03	1.00	0.25						
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.42	0.05	1.34	0.18						
OPEN REDUCTION OF HIP FRACTURE.....	0.37	0.28	0.04	1.34	0.22						
PROSTATECTOMY.....	0.78	0.74	0.07	1.08	0.11						
CHOLECYSTECTOMY.....	0.79	0.50	0.06	1.59	0.19						
HYSTERECTOMY.....	0.18	0.18	0.04	0.97	0.20						

** QUANTITIES COULD NOT BE ESTIMATED

FORT SMITH, AR
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	8,608	7.9	9.0	0.4	12.4	13.7	0.5	15.7	17.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	309	23.3	27.0	3.7	29.4	30.2	3.3	33.3	33.7	2.7
CONGESTIVE HEART FAILURE.....	422	14.5	15.2	2.0	22.3	23.3	2.7	31.0	30.1	2.5
PNEUMONIA/INFLUENZA.....	450	15.3	17.0	3.0	21.1	23.1	3.5	25.3	27.9	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	79	3.8	6.4	3.1	8.9	11.2	3.8	16.5	15.6	4.1
TRANSIENT CEREBRAL ISCHEMIA.....	138	0.0	1.9	2.0	4.3	4.1	1.8	8.0	6.7	2.8
STROKE.....	274	19.0	20.2	3.0	24.1	26.7	4.3	28.5	31.2	4.3
HIP FRACTURE.....	249	7.2	6.6	1.8	9.2	11.7	2.3	10.4	15.1	3.0
SEPSIS.....	60	28.3	28.2	5.8	41.7	37.7	7.5	45.0	45.0	6.4
PROCEDURES:										
ANGIOPLASTY.....	28	3.6	4.2	*	3.6	5.4	*	3.6	6.7	*
CORONARY ARTERY BYPASS GRAFT.....	107	8.4	6.3	2.6	9.3	8.3	2.8	9.3	9.6	2.9
INITIAL PACEMAKER INSERTION.....	87	0.0	3.0	2.5	3.4	5.9	2.7	5.7	8.7	3.6
CAROTID ENDARTERECTOMY.....	50	0.0	1.3	*	4.0	2.5	*	4.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	162	5.6	4.2	1.9	8.0	7.8	2.1	9.3	10.4	2.6
OPEN REDUCTION OF HIP FRACTURE.....	127	5.5	6.0	2.8	7.9	11.1	4.0	9.4	14.6	5.5
PROSTATECTOMY.....	400	0.2	1.1	0.8	1.7	2.6	1.4	2.7	4.2	2.0
CHOLECYSTECTOMY.....	208	3.8	3.0	1.7	5.3	5.3	1.6	7.2	6.9	1.8
HYSTERECTOMY.....	58	1.7	0.7	1.4	1.7	1.5	1.6	1.7	2.3	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 27,712						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.11	30.68	0.33	1.11	0.01		4.75	4.71	0.13	1.01	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.21	1.02	0.06	1.20	0.07						
CONGESTIVE HEART FAILURE.....	2.23	1.85	0.08	1.21	0.05						
PNEUMONIA/INFLUENZA.....	1.83	1.53	0.07	1.19	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.36	0.65	0.05	0.56	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.51	0.47	0.04	1.05	0.10						
STROKE.....	1.10	0.97	0.06	1.14	0.07						
HIP FRACTURE.....	0.75	0.61	0.05	1.23	0.10						
SEPSIS.....	0.26	0.33	0.03	0.78	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.15	0.24	0.03	0.64	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.36	0.04	0.95	0.10						
INITIAL PACEMAKER INSERTION.....	0.27	0.19	0.03	1.39	0.21						
CAROTID ENDARTERECTOMY.....	0.09	0.13	0.02	1.00	0.19						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.42	0.04	1.05	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.38	0.29	0.03	1.40	0.17						
PROSTATECTOMY.....	1.12	0.75	0.05	1.45	0.10						
CHOLECYSTECTOMY.....	0.65	0.52	0.04	1.25	0.11						
HYSTERECTOMY.....	0.19	0.18	0.03	1.00	0.16						

** QUANTITIES COULD NOT BE ESTIMATED

LITTLE ROCK-N. LITTLE ROCK, AR
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	19,763	7.2	7.3	0.2	11.7	11.7	0.2	15.2	15.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	443	26.6	25.2	4.0	30.2	28.3	4.4	33.4	31.5	5.2
CONGESTIVE HEART FAILURE.....	743	12.7	14.0	1.8	22.2	22.1	1.6	30.0	28.8	2.0
PNEUMONIA/INFLUENZA.....	563	18.5	15.2	2.4	24.2	21.1	2.9	28.2	25.6	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	154	7.1	5.6	3.3	11.0	10.4	3.4	15.6	14.7	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	312	1.3	1.6	0.8	3.2	3.6	1.4	7.4	5.8	1.8
STROKE.....	562	18.0	19.4	2.1	26.5	26.0	2.0	31.1	30.5	2.1
HIP FRACTURE.....	410	6.8	5.5	1.6	10.5	10.0	1.7	14.1	13.1	2.2
SEPSIS.....	191	30.9	25.6	4.9	38.7	34.8	5.4	47.6	41.3	6.4
PROCEDURES:										
ANGIOPLASTY.....	238	0.8	2.5	1.5	1.7	3.4	1.8	2.1	4.4	2.1
CORONARY ARTERY BYPASS GRAFT.....	705	4.5	5.3	1.1	7.8	7.4	1.3	8.2	8.8	1.3
INITIAL PACEMAKER INSERTION.....	196	1.0	2.6	1.5	5.1	5.2	2.4	5.6	7.8	2.8
CAROTID ENDARTERECTOMY.....	150	0.7	1.5	1.2	1.3	2.9	1.8	3.3	4.3	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	362	5.0	3.0	1.9	7.7	5.6	2.5	9.7	7.7	3.1
OPEN REDUCTION OF HIP FRACTURE.....	189	5.3	4.9	1.7	7.4	9.4	2.7	11.6	12.5	2.5
PROSTATECTOMY.....	582	0.5	1.1	0.7	2.2	2.7	0.8	4.1	4.5	1.0
CHOLECYSTECTOMY.....	372	3.2	2.7	1.1	5.9	4.9	1.4	7.3	6.5	1.7
HYSTERECTOMY.....	186	0.0	0.7	0.9	1.1	1.5	1.3	1.6	2.3	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 66,372						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.64	29.54	0.21	1.10	0.01		4.69	4.72	0.08	0.99	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.73	0.87	0.04	0.84	0.03						
CONGESTIVE HEART FAILURE.....	1.66	1.81	0.05	0.92	0.03						
PNEUMONIA/INFLUENZA.....	1.21	1.25	0.04	0.97	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.32	0.54	0.03	0.59	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.43	0.03	1.09	0.07						
STROKE.....	1.09	0.99	0.04	1.11	0.04						
HIP FRACTURE.....	0.63	0.56	0.03	1.12	0.06						
SEPSIS.....	0.46	0.37	0.02	1.22	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.22	0.02	1.22	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.64	0.33	0.02	2.01	0.14						
INITIAL PACEMAKER INSERTION.....	0.23	0.19	0.02	1.21	0.12						
CAROTID ENDARTERECTOMY.....	0.16	0.12	0.01	1.00	0.12						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.38	0.02	1.06	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.28	0.02	1.10	0.08						
PROSTATECTOMY.....	0.81	0.70	0.03	1.17	0.05						
CHOLECYSTECTOMY.....	0.55	0.43	0.03	1.32	0.08						
HYSTERECTOMY.....	0.24	0.16	0.02	1.40	0.14						

** QUANTITIES COULD NOT BE ESTIMATED

MEMPHIS, TN-AR-MS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	31,769	8.1	8.7	0.2	13.4	13.4	0.5	16.9	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	788	20.2	28.1	2.4	25.3	31.3	2.4	28.3	34.7	2.2
CONGESTIVE HEART FAILURE.....	1,507	11.9	14.2	1.1	22.7	22.1	1.3	28.7	28.6	1.2
PNEUMONIA/INFLUENZA.....	1,027	19.9	16.6	1.6	26.6	22.5	2.0	30.5	27.1	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	513	5.3	6.5	1.4	10.9	11.5	1.5	16.4	15.9	1.7
TRANSIENT CEREBRAL ISCHEMIA.....	544	1.7	1.7	0.6	3.1	3.6	0.9	5.3	5.7	1.2
STROKE.....	1,173	19.4	20.2	1.4	25.7	26.6	1.4	29.6	30.9	1.5
HIP FRACTURE.....	634	6.5	6.7	1.1	11.8	11.8	1.3	15.5	15.1	1.9
SEPSIS.....	358	31.3	31.0	2.8	45.3	39.7	3.3	51.4	46.1	3.8
PROCEDURES:										
ANGIOPLASTY.....	239	3.8	3.9	1.3	4.2	4.9	1.6	5.4	6.1	1.8
CORONARY ARTERY BYPASS GRAFT.....	802	4.7	6.0	1.0	8.4	8.2	1.1	9.6	9.7	1.1
INITIAL PACEMAKER INSERTION.....	302	3.6	4.0	1.3	8.3	7.6	2.2	10.9	10.9	1.8
CAROTID ENDARTERECTOMY.....	141	1.4	1.5	1.0	2.8	2.9	1.5	4.3	4.3	1.7
HIP REPLACEMENT/RECONSTRUCTION.....	414	3.4	3.4	0.9	6.3	6.1	1.4	9.2	8.1	2.2
OPEN REDUCTION OF HIP FRACTURE.....	244	6.1	6.0	1.5	11.9	11.2	2.3	14.8	14.5	3.0
PROSTATECTOMY.....	1,032	0.6	1.2	0.7	2.8	2.7	0.6	5.3	4.5	0.8
CHOLECYSTECTOMY.....	527	2.3	3.0	0.8	5.5	5.3	1.1	7.2	6.8	1.1
HYSTERECTOMY.....	229	0.4	0.6	0.6	0.9	1.3	0.8	2.2	2.0	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 117,599						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.97	31.09	0.16	1.00	0.00		5.10	5.02	0.06	1.02	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.69	0.80	0.03	0.86	0.03						
CONGESTIVE HEART FAILURE.....	1.98	1.99	0.04	1.00	0.02						
PNEUMONIA/INFLUENZA.....	1.15	1.18	0.03	0.98	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.63	0.49	0.02	1.27	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.50	0.44	0.02	1.13	0.05						
STROKE.....	1.11	1.10	0.03	1.00	0.03						
HIP FRACTURE.....	0.56	0.53	0.02	1.07	0.04						
SEPSIS.....	0.46	0.46	0.02	**	**						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.22	0.01	0.82	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.51	0.30	0.02	1.68	0.09						
INITIAL PACEMAKER INSERTION.....	0.26	0.19	0.01	1.36	0.09						
CAROTID ENDARTERECTOMY.....	0.09	0.11	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.33	0.02	1.04	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.26	0.01	0.81	0.05						
PROSTATECTOMY.....	0.84	0.69	0.02	1.21	0.04						
CHOLECYSTECTOMY.....	0.42	0.39	0.02	1.09	0.05						
HYSTERECTOMY.....	0.17	0.15	0.01	1.13	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

PINE BLUFF, AR
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,535	8.5	9.0	0.7	14.0	14.0	1.0	17.5	17.9	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	87	21.8	30.5	7.7	28.7	33.8	7.3	33.3	37.4	6.1
CONGESTIVE HEART FAILURE.....	193	15.0	14.5	2.7	25.9	22.4	4.2	31.1	29.0	4.3
PNEUMONIA/INFLUENZA.....	144	21.5	17.8	3.7	29.9	23.9	5.6	32.6	28.9	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	37	5.4	4.3	*	16.2	8.6	*	18.9	12.8	*
TRANSIENT CEREBRAL ISCHEMIA.....	68	1.5	1.9	1.7	5.9	4.2	3.1	5.9	6.7	3.1
STROKE.....	125	16.8	20.4	4.4	22.4	26.2	5.7	24.8	30.6	5.7
HIP FRACTURE.....	94	10.6	7.1	4.3	16.0	12.7	3.9	17.0	16.6	4.6
SEPSIS.....	30	23.3	25.2	*	30.0	32.6	*	36.7	38.3	*
PROCEDURES:										
ANGIOPLASTY.....	4	0.0	4.2	*	0.0	4.9	*	0.0	5.9	*
CORONARY ARTERY BYPASS GRAFT.....	10	0.0	6.1	*	0.0	8.3	*	0.0	9.9	*
INITIAL PACEMAKER INSERTION.....	23	0.0	3.5	*	4.3	7.1	*	4.3	10.5	*
CAROTID ENDARTERECTOMY.....	11	0.0	1.7	*	0.0	3.4	*	0.0	5.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	78	5.1	3.5	2.4	6.4	6.4	2.8	7.7	8.6	3.2
OPEN REDUCTION OF HIP FRACTURE.....	51	9.8	5.8	4.8	13.7	10.8	4.7	13.7	14.3	5.5
PROSTATECTOMY.....	214	2.3	1.2	1.2	2.8	2.8	1.3	5.1	4.7	1.9
CHOLECYSTECTOMY.....	78	2.6	3.7	2.2	5.1	6.9	4.1	12.8	9.2	3.9
HYSTERECTOMY.....	28	0.0	1.4	*	0.0	3.1	*	0.0	4.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 13,442					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.61	32.09	0.49	0.92	0.01	5.31	5.17	0.20	1.03	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.76	0.87	0.08	0.86	0.08					
CONGESTIVE HEART FAILURE.....	2.08	2.08	0.13	0.99	0.06					
PNEUMONIA/INFLUENZA.....	1.47	1.38	0.10	1.06	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.53	0.06	0.84	0.10					
TRANSIENT CEREBRAL ISCHEMIA.....	0.48	0.46	0.06	1.07	0.14					
STROKE.....	0.93	1.15	0.09	0.80	0.06					
HIP FRACTURE.....	0.51	0.53	0.06	0.95	0.12					
SEPSIS.....	0.26	0.46	0.06	0.51	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.09	0.21	0.04	0.36	0.07					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.31	0.05	1.19	0.19					
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.04	0.91	0.19					
CAROTID ENDARTERECTOMY.....	0.13	0.11	0.03	1.00	0.28					
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.34	0.05	1.21	0.19					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.26	0.04	1.04	0.18					
PROSTATECTOMY.....	1.02	0.76	0.08	1.34	0.14					
CHOLECYSTECTOMY.....	0.45	0.42	0.06	1.04	0.14					
HYSTERECTOMY.....	0.14	0.15	0.03	0.92	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

TEXARKANA, TX-TEXARKANA, AR
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	6,207	8.2	8.1	0.4	12.6	12.9	0.6	15.7	16.7	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	155	21.3	23.0	4.5	25.2	26.4	4.6	27.7	29.9	4.7
CONGESTIVE HEART FAILURE.....	304	16.8	13.6	3.2	24.3	21.7	3.2	30.6	28.4	3.1
PNEUMONIA/INFLUENZA.....	260	11.2	14.6	2.7	14.6	20.3	3.6	18.5	24.8	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	91	3.3	5.4	3.3	9.9	10.1	4.6	12.1	14.6	5.1
TRANSIENT CEREBRAL ISCHEMIA.....	114	0.0	1.8	2.0	4.4	4.1	2.9	6.1	6.6	2.7
STROKE.....	175	18.9	18.2	4.2	26.3	24.5	4.0	31.4	28.9	5.8
HIP FRACTURE.....	142	7.0	6.1	3.4	13.4	11.2	3.7	15.5	14.8	3.2
SEPSIS.....	55	29.1	28.4	6.1	34.5	37.7	7.1	38.2	44.6	8.9
PROCEDURES:										
ANGIOPLASTY.....	12	8.3	2.9	*	16.7	3.8	*	16.7	4.9	*
CORONARY ARTERY BYPASS GRAFT.....	88	8.0	5.1	5.0	11.4	7.3	5.8	12.5	8.8	6.5
INITIAL PACEMAKER INSERTION.....	44	2.3	2.4	*	4.5	5.3	*	4.5	8.2	*
CAROTID ENDOARTERECTOMY.....	60	1.7	1.6	2.1	1.7	3.1	2.8	1.7	4.6	3.7
HIP REPLACEMENT/RECONSTRUCTION.....	73	2.7	3.2	2.5	4.1	6.1	3.8	6.8	8.5	4.1
OPEN REDUCTION OF HIP FRACTURE.....	88	8.0	5.7	4.6	15.9	10.8	5.5	15.9	14.3	5.8
PROSTATECTOMY.....	231	0.0	1.2	1.2	2.2	3.0	1.9	3.0	4.9	3.0
CHOLECYSTECTOMY.....	145	1.4	2.9	2.2	5.5	5.1	2.6	8.3	6.7	3.2
HYSTERECTOMY.....	39	0.0	1.5	*	0.0	3.0	*	0.0	4.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 18,691					MORTALITY				
	ADMISSION									
	OBS,%	PREO,%	SO,%	REL	SE	OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	37.84	31.37	0.41	1.21	0.02	4.88	4.82	0.16	1.01	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.80	0.96	0.07	0.86	0.06					
CONGESTIVE HEART FAILURE.....	2.60	1.95	0.10	1.35	0.07					
PNEUMONIA/INFLUENZA.....	1.72	1.38	0.09	1.26	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.81	0.55	0.06	1.45	0.15					
TRANSIENT CEREBRAL ISCHEMIA.....	0.63	0.47	0.05	1.33	0.15					
STROKE.....	1.11	1.08	0.08	1.02	0.07					
HIP FRACTURE.....	0.62	0.59	0.06	1.06	0.10					
SEPSIS.....	0.40	0.40	0.05	1.04	0.13					
PROCEDURES:										
ANGIOPLASTY.....	0.10	0.23	0.04	0.49	0.08					
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.36	0.04	0.91	0.12					
INITIAL PACEMAKER INSERTION.....	0.13	0.20	0.03	0.78	0.14					
CAROTID ENDOARTERECTOMY.....	0.24	0.13	0.03	1.00	0.23					
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.38	0.04	0.96	0.12					
OPEN REDUCTION OF HIP FRACTURE.....	0.37	0.29	0.04	1.26	0.18					
PROSTATECTOMY.....	0.90	0.77	0.06	1.16	0.10					
CHOLECYSTECTOMY.....	0.71	0.48	0.05	1.49	0.16					
HYSTERECTOMY.....	0.10	0.17	0.03	0.61	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

AR-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	44,850	9.8	8.9	0.2	14.3	13.5	0.3	17.7	17.1	0.2
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,475	30.8	26.8	1.4	34.8	30.1	1.7	38.0	33.7	1.5
CONGESTIVE HEART FAILURE.....	2,481	16.4	14.6	1.1	24.7	22.8	1.0	31.5	29.6	1.1
PNEUMONIA/INFLUENZA.....	2,952	15.3	15.9	1.1	21.9	21.8	0.8	26.0	26.4	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	746	4.4	6.3	1.1	9.7	11.3	1.7	13.5	15.8	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	897	1.6	1.9	0.6	4.3	4.2	0.7	7.2	6.8	1.0
STROKE.....	1,697	25.2	20.3	1.1	31.8	26.9	1.3	35.9	31.5	1.2
HIP FRACTURE.....	970	4.8	6.1	1.1	8.5	11.0	1.6	11.8	14.4	1.7
SEPSIS.....	434	30.6	27.2	2.4	39.2	35.5	2.8	44.5	41.7	2.7
PROCEDUREES:										
ANGIOPLASTY.....	218	5.5	3.9	2.1	7.3	4.8	2.8	9.2	6.0	3.0
CORONARY ARTERY BYPASS GRAFT.....	197	4.1	5.2	2.1	6.6	7.5	2.2	9.1	8.9	2.1
INITIAL PACEMAKER INSERTION.....	220	4.1	3.7	1.5	7.3	6.8	1.7	10.0	9.6	2.1
CAROTID ENDARTERECTOMY.....	152	0.7	1.4	1.2	1.3	2.7	1.7	3.9	4.0	2.4
HIP REPLACEMENT/RECONSTRUCTION.....	612	2.8	3.7	1.5	5.4	6.9	1.9	8.3	9.3	1.7
OPEN REDUCTION OF HIP FRACTURE.....	498	3.6	5.3	1.3	6.4	10.1	2.0	8.6	13.5	2.4
PROSTATECTOMY.....	1,359	1.2	1.2	0.3	2.9	2.7	0.5	5.0	4.4	0.8
CHOLECYSTECTOMY.....	967	3.1	2.9	0.8	5.0	5.0	0.7	6.5	6.5	0.8
HYSTERECTOMY.....	271	0.7	0.9	0.8	1.5	1.8	1.2	2.2	2.5	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 276,557						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.80	31.53	0.11	1.07	0.00		4.72	4.74	0.04	1.00	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.04	1.03	0.02	1.02	0.02						
CONGESTIVE HEART FAILURE.....	1.93	1.91	0.03	1.01	0.01						
PNEUMONIA/INFLUENZA.....	1.73	1.55	0.02	1.10	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.54	0.63	0.02	0.85	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.57	0.48	0.01	1.17	0.03						
STROKE.....	1.09	1.04	0.02	1.04	0.02						
HIP FRACTURE.....	0.63	0.57	0.01	1.11	0.03						
SEPSIS.....	0.30	0.36	0.01	0.82	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.29	0.24	0.01	1.21	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.52	0.37	0.01	1.37	0.05						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.01	1.12	0.06						
CAROTIO ENDARTERECTOMY.....	0.19	0.13	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.40	0.01	1.10	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.28	0.01	1.20	0.05						
PROSTATECTOMY.....	0.90	0.82	0.02	1.10	0.02						
CHOLECYSTECTOMY.....	0.58	0.52	0.01	1.11	0.03						
HYSTERECTOMY.....	0.18	0.17	0.01	1.02	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

PHOENIX, AZ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	53,534	8.6	8.4	0.3	13.0	12.9	0.3	16.2	16.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,674	26.4	24.0	1.6	30.6	27.3	1.7	32.7	30.8	1.4
CONGESTIVE HEART FAILURE.....	2,107	16.6	13.9	1.1	25.4	21.8	1.4	31.9	28.5	1.4
PNEUMONIA/INFLUENZA.....	2,109	14.9	14.2	1.1	20.4	19.6	1.0	24.0	24.1	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	785	11.2	6.8	1.3	16.8	12.1	1.5	22.4	16.8	1.8
TRANSIENT CEREBRAL ISCHEMIA.....	667	1.5	1.7	0.6	3.1	3.7	1.2	4.9	5.9	1.6
STROKE.....	1,780	19.0	18.4	1.1	25.1	24.7	1.1	28.9	29.1	1.1
HIP FRACTURE.....	1,416	7.1	5.4	1.1	11.4	10.1	1.3	14.5	13.4	1.2
SEPSIS.....	547	26.3	25.0	3.5	35.8	33.1	3.2	39.9	39.4	2.7
PROCEDURES:										
ANGIOPLASTY.....	563	4.3	3.2	1.5	5.2	4.1	1.7	6.6	5.3	1.9
CORONARY ARTERY BYPASS GRAFT.....	838	8.2	5.5	1.4	9.8	7.7	1.2	10.7	9.3	1.1
INITIAL PACEMAKER INSERTION.....	448	2.5	3.1	0.9	4.7	5.9	1.6	6.0	8.4	2.0
CAROTID ENDARTERECTOMY.....	248	2.8	1.7	1.2	4.0	3.3	1.4	4.8	4.9	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	1,287	3.1	2.6	0.5	5.1	5.2	0.6	6.6	7.1	0.8
OPEN REDUCTION OF HIP FRACTURE.....	701	6.6	5.0	1.5	11.0	9.6	2.1	14.4	13.0	1.9
PROSTATECTOMY.....	2,014	0.8	1.1	0.3	1.6	2.6	0.5	2.9	4.3	0.7
CHOLECYSTECTOMY.....	1,227	3.5	3.2	0.6	7.0	5.7	1.2	7.9	7.5	0.9
HYSTERECTOMY.....	572	0.7	0.9	0.4	1.2	1.8	0.7	2.1	2.7	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 275,043						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.30	26.38	0.10	0.96	0.00		4.14	4.34	0.04	0.95	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.87	0.02	0.86	0.02						
CONGESTIVE HEART FAILURE.....	1.26	1.55	0.02	0.81	0.01						
PNEUMONIA/INFLUENZA.....	1.00	1.09	0.02	0.92	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.47	0.01	0.98	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.39	0.01	0.74	0.02						
STROKE.....	0.77	0.86	0.02	0.90	0.02						
HIP FRACTURE.....	0.63	0.55	0.01	1.13	0.03						
SEPSIS.....	0.31	0.31	0.01	**	**						
PROCEDURES:											
ANGIOPLASTY.....	0.27	0.27	0.01	1.02	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.38	0.01	0.93	0.03						
INITIAL PACEMAKER INSERTION.....	0.17	0.20	0.01	0.88	0.04						
CAROTID ENDARTERECTOMY.....	0.11	0.14	0.01	1.00	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.42	0.01	1.20	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.27	0.01	1.14	0.04						
PROSTATECTOMY.....	0.79	0.81	0.02	0.98	0.02						
CHOLECYSTECTOMY.....	0.47	0.44	0.01	1.07	0.03						
HYSTERECTOMY.....	0.20	0.18	0.01	1.11	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

TUCSON, AZ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	19,969	7.9	8.2	0.3	12.2	12.7	0.4	15.4	16.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	684	21.9	24.6	2.5	25.7	27.9	2.8	27.8	31.4	3.4
CONGESTIVE HEART FAILURE.....	752	12.6	14.8	1.7	21.5	23.1	2.5	28.9	29.9	1.8
PNEUMONIA/INFLUENZA.....	691	15.8	15.1	1.7	21.1	20.9	1.6	25.8	25.5	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	302	12.3	7.3	2.1	17.9	12.8	2.4	26.2	17.6	3.1
TRANSIENT CEREBRAL ISCHEMIA.....	190	1.1	1.8	1.3	3.7	4.2	1.8	6.3	6.7	2.4
STROKE.....	606	18.2	18.7	1.8	23.4	25.2	2.7	27.1	29.7	2.6
HIP FRACTURE.....	469	4.9	5.6	1.2	10.2	10.3	1.4	12.8	13.6	2.1
SEPSIS.....	185	19.5	22.6	4.0	25.9	29.8	5.1	30.8	35.5	4.6
PROCEDURES:										
ANGIOPLASTY.....	299	5.4	4.3	2.4	7.4	5.4	2.4	7.7	6.7	2.0
CORONARY ARTERY BYPASS GRAFT.....	248	12.1	6.5	2.5	16.5	9.3	3.1	17.7	11.1	3.1
INITIAL PACEMAKER INSERTION.....	147	2.7	4.3	2.5	8.2	8.0	4.0	10.2	11.5	3.1
CAROTID ENDARTERECTOMY.....	68	0.0	1.6	*	0.0	2.9	*	0.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	380	1.8	2.6	1.2	5.3	5.0	1.2	6.6	6.9	1.6
OPEN REDUCTION OF HIP FRACTURE.....	248	4.0	5.2	2.0	8.5	10.1	2.7	11.3	13.5	3.8
PROSTATECTOMY.....	901	0.7	1.1	0.4	1.7	2.6	0.8	2.7	4.3	1.0
CHOLECYSTECTOMY.....	331	3.6	2.8	1.3	5.7	5.0	2.1	7.6	6.5	2.1
HYSTERECTOMY.....	161	0.6	1.3	1.1	2.5	2.6	1.4	3.7	3.7	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 96,324						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.73	26.95	0.17	1.03	0.01		4.21	4.33	0.07	0.97	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.89	0.03	1.03	0.03						
CONGESTIVE HEART FAILURE.....	1.36	1.56	0.04	0.88	0.02						
PNEUMONIA/INFLUENZA.....	1.02	1.18	0.03	0.86	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.52	0.50	0.02	1.04	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.40	0.02	0.64	0.03						
STROKE.....	0.79	0.87	0.03	0.90	0.03						
HIP FRACTURE.....	0.58	0.56	0.02	1.04	0.04						
SEPSIS.....	0.29	0.31	0.02	0.94	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.35	0.27	0.02	1.28	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.38	0.02	0.81	0.04						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.01	0.92	0.07						
CAROTID ENDARTERECTOMY.....	0.07	0.14	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.42	0.02	1.03	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.27	0.02	1.10	0.07						
PROSTATECTOMY.....	0.99	0.80	0.03	1.25	0.04						
CHOLECYSTECTOMY.....	0.37	0.45	0.02	0.85	0.04						
HYSTERECTOMY.....	0.20	0.18	0.01	1.15	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

AZ-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	15,710	8.6	8.4	0.2	12.6	12.6	0.3	15.4	16.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	547	26.1	23.6	3.0	29.4	26.8	2.8	32.4	30.3	2.7
CONGESTIVE HEART FAILURE.....	735	14.3	13.6	1.9	23.1	21.1	2.5	29.0	27.6	2.2
PNEUMONIA/INFLUENZA.....	1,047	11.7	13.9	1.3	16.0	19.2	1.7	19.5	23.5	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	358	7.3	6.9	1.4	9.5	12.0	1.9	12.8	16.5	2.5
TRANSIENT CEREBRAL ISCHEMIA.....	254	2.8	1.8	1.2	4.7	4.1	1.8	8.7	6.6	2.9
STROKE.....	496	19.6	18.4	2.9	25.8	24.5	2.5	28.8	28.9	2.1
HIP FRACTURE.....	393	5.9	5.3	1.3	9.4	9.7	1.5	11.5	12.9	2.2
SEPSIS.....	148	27.0	24.2	4.2	32.4	31.2	3.9	33.8	37.2	4.6
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	63	4.8	2.8	2.9	4.8	5.6	4.2	11.1	8.2	5.2
CAROTID ENDARTERECTOMY.....	21	4.8	1.6	*	4.8	3.2	*	4.8	4.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	227	2.6	3.5	1.5	5.3	6.7	2.3	7.0	9.2	3.4
OPEN REDUCTION OF HIP FRACTURE.....	195	6.7	4.6	2.3	10.8	8.9	2.8	12.3	12.0	2.3
PROSTATECTOMY.....	611	0.3	1.1	0.7	1.5	2.6	1.1	3.1	4.3	1.3
CHOLECYSTECTOMY.....	383	3.4	2.6	1.1	4.7	4.7	1.4	5.5	6.3	1.6
HYSTERECTOMY.....	128	0.0	0.6	0.9	0.0	1.1	1.4	0.8	1.7	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 128,397									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.71	27.30	0.15	0.94	0.00	3.92	4.07	0.06	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.98	0.03	0.92	0.03					
CONGESTIVE HEART FAILURE.....	1.22	1.56	0.03	0.79	0.02					
PNEUMONIA/INFLUENZA.....	1.30	1.26	0.03	1.04	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.50	0.59	0.02	0.84	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.43	0.02	0.76	0.03					
STROKE.....	0.72	0.87	0.03	0.83	0.03					
HIP FRACTURE.....	0.51	0.48	0.02	1.09	0.05					
SEPSIS.....	0.25	0.30	0.02	0.84	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.26	0.31	0.02	0.80	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.44	0.02	0.67	0.03					
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.01	0.82	0.06					
CAROTID ENDARTERECTOMY.....	0.11	0.17	0.01	1.00	0.07					
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.41	0.02	1.04	0.05					
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.24	0.01	1.05	0.07					
PROSTATECTOMY.....	0.85	0.93	0.03	0.93	0.03					
CHOLECYSTECTOMY.....	0.50	0.51	0.02	0.99	0.04					
HYSTERECTOMY.....	0.19	0.18	0.01	1.11	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

ANAHEIM-SANTA ANA, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	38,098	10.8	10.4	0.3	16.1	15.6	0.3	19.8	19.6	0.3
CONOITIONS:										
ACUTE MYOCAROIAL INFARCTION.....	1,169	25.7	28.2	2.1	29.9	31.5	1.9	33.4	34.9	1.8
CONGESTIVE HEART FAILURE.....	1,941	16.4	15.7	1.0	24.7	24.2	1.1	31.6	31.1	1.4
PNEUMONIA/INFLUENZA.....	1,853	18.8	17.3	2.0	25.1	23.5	2.3	29.4	28.3	2.2
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	609	7.2	7.5	1.2	13.5	13.3	1.4	18.4	18.3	2.1
TRANSIENT CEREBRAL ISCHEMIA.....	542	2.4	2.1	0.8	4.2	4.7	1.1	6.6	7.5	1.6
STROKE.....	1,665	21.1	21.4	1.0	28.6	28.1	1.2	32.7	32.7	1.4
HIP FRACTURE.....	1,083	5.8	6.9	1.4	11.8	12.4	1.4	15.5	16.1	1.4
SEPSIS.....	559	30.1	27.3	2.3	39.9	35.9	3.1	44.5	42.0	2.4
PROCEDUREES:										
ANGIOPLASTY.....	428	1.2	3.2	1.4	2.8	4.2	1.6	3.5	5.3	1.6
CORONARY ARTERY BYPASS GRAFT.....	460	4.8	5.1	1.1	6.7	7.4	1.4	7.2	8.9	1.9
INITIAL PACEMAKER INSERTION.....	352	4.3	3.5	1.3	6.8	6.6	1.5	9.9	9.6	1.6
CAROTIO ENOARTERECTOMY.....	229	2.2	1.4	1.3	3.5	2.5	2.2	5.2	3.7	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	859	2.9	3.9	0.9	6.9	7.3	1.4	9.8	9.8	1.1
OPEN REDUCTION OF HIP FRACTURE.....	493	6.5	6.2	1.2	11.6	11.6	1.5	15.0	15.3	1.6
PROSTATECTOMY.....	1,398	0.7	0.9	0.3	1.6	2.0	0.5	2.0	3.4	0.6
CHOLECYSTECTOMY.....	583	2.2	2.9	1.2	4.8	5.1	1.4	6.2	6.7	1.2
HYSTERECTOMY.....	399	0.5	0.7	0.5	1.0	1.6	0.8	1.0	2.4	1.1

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 234,768					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.14	24.85	0.10	1.01	0.00	4.51	4.46	0.04	1.01	0.01
CONOITIONS:										
ACUTE MYOCAROIAL INFARCTION.....	0.74	0.77	0.02	0.96	0.02					
CONGESTIVE HEART FAILURE.....	1.55	1.42	0.02	1.09	0.02					
PNEUMONIA/INFLUENZA.....	1.20	0.96	0.02	1.25	0.03					
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.46	0.37	0.01	1.24	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.36	0.01	0.89	0.03					
STROKE.....	0.94	0.82	0.02	1.15	0.03					
HIP FRACTURE.....	0.62	0.62	0.02	1.01	0.03					
SEPSIS.....	0.38	0.31	0.01	1.23	0.05					
PROCEDUREES:										
ANGIOPLASTY.....	0.28	0.25	0.01	1.15	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.35	0.01	0.90	0.03					
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.01	1.14	0.05					
CAROTIO ENOARTERECTOMY.....	0.12	0.11	0.01	1.00	0.06					
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.44	0.01	1.19	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.30	0.01	0.91	0.03					
PROSTATECTOMY.....	0.71	0.73	0.02	0.98	0.02					
CHOLECYSTECTOMY.....	0.31	0.36	0.01	0.86	0.03					
HYSTERECTOMY.....	0.19	0.17	0.01	1.09	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

BAKERSFIELD, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	9,945	10.7	9.7	0.5	15.9	14.6	0.6	19.3	18.5	0.6
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	308	26.6	27.0	2.5	31.5	30.0	2.8	34.4	33.2	2.9
CONGESTIVE HEART FAILURE.....	535	16.3	14.3	2.8	23.6	22.1	2.5	31.0	28.8	3.1
PNEUMONIA/INFLUENZA.....	661	19.8	16.8	2.4	26.9	22.9	2.7	31.0	27.7	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	178	12.4	7.5	3.9	17.4	13.0	4.7	23.0	17.7	5.5
TRANSIENT CEREBRAL ISCHEMIA.....	163	1.2	1.9	1.6	3.1	4.2	2.6	4.3	6.6	3.4
STROKE.....	431	20.0	20.4	2.2	27.8	26.9	2.3	32.5	31.3	2.7
HIP FRACTURE.....	234	7.3	6.7	1.7	11.5	11.9	2.4	13.7	15.4	3.4
SEPSIS.....	147	23.8	24.1	3.7	34.0	32.5	4.2	40.1	38.5	4.6
PROCEDURES:										
ANGIOPLASTY.....	144	0.7	2.8	1.8	1.4	3.7	2.2	1.4	4.8	2.5
CORONARY ARTERY BYPASS GRAFT.....	202	6.4	5.2	2.1	10.9	7.4	2.4	12.4	8.8	2.3
INITIAL PACEMAKER INSERTION.....	138	2.2	3.3	1.8	3.6	5.9	2.9	5.8	8.4	4.8
CAROTID ENDOARTERECTOMY.....	51	2.0	1.3	3.6	3.9	2.5	4.4	5.9	3.6	4.0
HIP REPLACEMENT/RECONSTRUCTION.....	168	4.2	3.5	1.9	6.0	6.9	2.7	7.7	9.5	3.2
OPEN REDUCTION OF HIP FRACTURE.....	108	6.5	6.2	2.3	11.1	11.5	3.2	14.8	15.0	3.5
PROSTATECTOMY.....	303	0.7	0.9	0.7	3.0	2.2	1.1	4.0	3.7	1.2
CHOLECYSTECTOMY.....	234	1.7	2.6	1.4	4.7	4.7	1.6	6.4	6.2	1.6
HYSTERECTOMY.....	86	1.2	0.8	1.3	2.3	1.6	1.6	3.5	2.5	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 60,802						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	28.18	27.96	0.21	1.01	0.01		4.49	4.36	0.08	1.03	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.79	0.90	0.04	0.87	0.04						
CONGESTIVE HEART FAILURE.....	1.85	1.64	0.05	1.13	0.04						
PNEUMONIA/INFLUENZA.....	1.75	1.24	0.04	1.41	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.57	0.03	1.09	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.41	0.03	0.97	0.06						
STROKE.....	0.99	0.89	0.04	1.12	0.05						
HIP FRACTURE.....	0.61	0.52	0.03	1.16	0.06						
SEPSIS.....	0.38	0.33	0.02	1.16	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.39	0.29	0.02	1.36	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.51	0.39	0.02	1.32	0.09						
INITIAL PACEMAKER INSERTION.....	0.34	0.19	0.02	1.81	0.17						
CAROTID ENDOARTERECTOMY.....	0.15	0.16	0.02	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.40	0.02	1.18	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.26	0.02	1.06	0.08						
PROSTATECTOMY.....	0.76	0.80	0.04	0.95	0.04						
CHOLECYSTECTOMY.....	0.50	0.47	0.03	1.05	0.06						
HYSTERECTOMY.....	0.19	0.17	0.02	1.08	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

CHICO, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,628	9.6	9.2	0.6	14.7	13.8	0.9	17.8	17.4	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	221	24.9	27.2	4.2	29.4	30.6	3.8	33.0	34.2	3.6
CONGESTIVE HEART FAILURE.....	265	16.2	15.3	2.6	26.4	23.6	3.1	30.9	30.5	3.0
PNEUMONIA/INFLUENZA.....	392	12.2	15.6	2.8	17.6	21.3	3.6	21.7	25.8	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	156	12.2	7.7	4.0	17.9	13.8	4.9	22.4	19.0	4.8
TRANSIENT CEREBRAL ISCHEMIA.....	69	1.4	1.9	1.7	2.9	4.1	2.8	4.3	6.6	4.3
STROKE.....	270	21.5	19.4	3.9	28.5	25.9	4.3	33.0	30.2	5.1
HIP FRACTURE.....	220	7.3	6.6	1.8	11.8	11.9	2.2	15.5	15.5	2.5
SEPSIS.....	71	25.4	26.9	5.5	36.6	35.6	6.8	42.3	42.1	6.4
PROCEDURES:										
ANGIOPLASTY.....	60	0.0	4.0	4.6	1.7	4.8	4.0	1.7	5.9	4.8
CORONARY ARTERY BYPASS GRAFT.....	106	0.9	4.2	2.6	3.8	5.8	2.8	5.7	6.9	2.6
INITIAL PACEMAKER INSERTION.....	50	0.0	3.2	*	6.0	6.0	*	6.0	8.6	*
CAROTID ENDARTERECTOMY.....	72	0.0	1.3	1.9	1.4	2.2	2.1	2.8	3.3	2.4
HIP REPLACEMENT/RECONSTRUCTION.....	138	4.3	3.0	1.9	5.8	5.8	2.0	8.0	8.0	2.3
OPEN REDUCTION OF HIP FRACTURE.....	125	6.4	6.0	2.4	12.8	11.4	3.1	16.8	15.2	3.8
PROSTATECTOMY.....	233	0.0	0.6	0.8	0.4	1.6	1.4	1.7	2.7	1.9
CHOLECYSTECTOMY.....	155	1.3	2.7	2.1	2.6	4.9	3.3	3.9	6.4	3.7
HYSTERECTOMY.....	36	2.8	0.3	*	2.8	0.7	*	2.8	1.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 34,573									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.74	27.22	0.28	0.98	0.01	4.35	4.38	0.11	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.94	0.05	1.05	0.06					
CONGESTIVE HEART FAILURE.....	1.23	1.58	0.07	0.78	0.03					
PNEUMONIA/INFLUENZA.....	1.57	1.26	0.06	1.25	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.71	0.54	0.04	1.32	0.10					
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.41	0.03	0.61	0.05					
STROKE.....	0.95	0.87	0.05	1.09	0.06					
HIP FRACTURE.....	0.68	0.55	0.04	1.22	0.09					
SEPSIS.....	0.27	0.31	0.03	0.93	0.09					
PROCEDURES:										
ANGIOPLASTY.....	0.24	0.28	0.03	0.78	0.08					
CORONARY ARTERY BYPASS GRAFT.....	0.45	0.40	0.03	1.13	0.10					
INITIAL PACEMAKER INSERTION.....	0.19	0.20	0.02	0.97	0.12					
CAROTID ENDARTERECTOMY.....	0.26	0.15	0.02	1.00	0.14					
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.43	0.03	1.04	0.09					
OPEN REDUCTION OF HIP FRACTURE.....	0.37	0.27	0.03	1.37	0.15					
PROSTATECTOMY.....	0.82	0.86	0.05	0.95	0.06					
CHOLECYSTECTOMY.....	0.49	0.48	0.04	1.06	0.08					
HYSTERECTOMY.....	0.16	0.18	0.02	0.92	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

FRESNO, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,932	10.9	8.8	0.4	15.5	13.5	0.4	19.0	17.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	421	28.5	26.2	2.4	30.4	29.4	2.3	32.3	32.7	2.3
CONGESTIVE HEART FAILURE.....	695	21.7	14.7	2.0	29.8	22.6	2.3	35.8	29.1	2.3
PNEUMONIA/INFLUENZA.....	592	18.4	16.3	2.1	24.5	22.1	2.0	29.4	26.8	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	185	17.3	8.3	4.1	24.9	14.5	4.2	29.7	19.9	4.3
TRANSIENT CEREBRAL ISCHEMIA.....	95	0.0	1.8	2.0	2.1	4.0	2.6	5.3	6.3	3.0
STROKE.....	452	25.0	21.3	2.4	29.9	27.9	2.2	34.3	32.4	2.3
HIP FRACTURE.....	405	8.4	6.2	1.8	14.1	11.3	2.5	20.2	14.8	2.9
SEPSIS.....	115	20.9	24.2	5.1	29.6	31.9	5.2	35.7	38.0	5.5
PROCEDURES:										
ANGIOPLASTY.....	150	5.3	4.0	3.1	6.0	4.8	3.2	7.3	5.9	3.1
CORONARY ARTERY BYPASS GRAFT.....	248	6.5	5.1	1.9	8.5	7.2	2.1	9.7	8.6	2.3
INITIAL PACEMAKER INSERTION.....	149	3.4	3.5	1.5	6.0	6.4	2.1	9.4	9.1	2.6
CAROTID ENDOARTERECTOMY.....	90	1.1	1.3	1.6	1.1	2.3	2.2	2.2	3.5	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	315	2.9	2.9	1.1	4.8	5.6	1.7	7.6	7.6	1.5
OPEN REDUCTION OF HIP FRACTURE.....	228	7.9	5.7	1.7	14.5	10.8	3.4	21.9	14.4	3.6
PROSTATECTOMY.....	548	0.7	0.6	0.6	2.0	1.5	1.0	4.0	2.7	1.3
CHOLECYSTECTOMY.....	303	2.6	2.5	1.0	3.3	4.5	1.5	5.0	6.0	1.7
HYSTERECTOMY.....	155	0.0	0.6	0.7	0.6	1.2	1.0	1.3	2.0	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 77,257						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.91	29.00	0.19	0.79	0.00		4.32	4.62	0.08	0.93	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.73	0.95	0.03	0.77	0.03						
CONGESTIVE HEART FAILURE.....	1.48	1.73	0.05	0.85	0.02						
PNEUMONIA/INFLUENZA.....	1.11	1.38	0.04	0.81	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.57	0.03	0.72	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.18	0.43	0.02	0.43	0.02						
STROKE.....	0.75	0.93	0.03	0.80	0.03						
HIP FRACTURE.....	0.61	0.59	0.03	1.10	0.05						
SEPSIS.....	0.23	0.34	0.02	0.68	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.26	0.02	0.90	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.37	0.02	0.85	0.05						
INITIAL PACEMAKER INSERTION.....	0.24	0.19	0.02	1.27	0.10						
CAROTID ENDOARTERECTOMY.....	0.14	0.15	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.42	0.02	1.06	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.34	0.29	0.02	1.20	0.08						
PROSTATECTOMY.....	0.76	0.79	0.03	0.96	0.04						
CHOLECYSTECTOMY.....	0.45	0.49	0.02	0.93	0.05						
HYSTERECTOMY.....	0.21	0.18	0.01	1.15	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

LOS ANGELES-LONG BEACH, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	165,019	9.7	9.4	0.1	15.1	14.5	0.3	18.8	18.4	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	4,396	26.9	26.6	1.1	31.7	30.2	1.5	34.2	33.7	1.5
CONGESTIVE HEART FAILURE.....	8,606	13.5	15.1	0.5	22.1	23.6	0.6	28.7	30.5	0.8
PNEUMONIA/INFLUENZA.....	7,351	17.5	16.8	0.9	24.5	22.9	0.7	29.0	27.7	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	2,228	8.7	7.8	1.0	14.6	13.7	1.1	19.4	18.7	1.0
TRANSIENT CEREBRAL ISCHEMIA.....	2,367	1.6	1.9	0.4	3.7	4.3	0.6	6.1	6.9	0.9
STROKE.....	6,343	19.6	20.3	0.6	27.1	27.1	0.6	31.5	31.6	0.6
HIP FRACTURE.....	4,041	6.4	6.4	0.4	12.3	11.7	0.6	16.0	15.3	0.7
SEPSIS.....	2,346	28.1	27.2	1.9	39.4	36.0	1.4	45.1	42.3	1.4
PROCEDURES:										
ANGIOPLASTY.....	1,769	3.0	3.3	0.7	4.0	4.3	0.9	5.0	5.5	0.9
CORONARY ARTERY BYPASS GRAFT.....	2,063	6.3	5.7	0.8	8.4	8.3	0.8	10.1	10.0	0.7
INITIAL PACEMAKER INSERTION.....	1,409	4.2	3.7	0.8	7.9	7.1	1.3	11.6	10.2	1.4
CAROTID ENDARTERECTOMY.....	705	1.4	1.4	0.5	2.7	2.6	0.9	4.7	3.9	1.4
HIP REPLACEMENT/RECONSTRUCTION.....	3,245	4.1	3.3	0.4	7.4	6.3	0.7	9.9	8.6	0.7
OPEN REDUCTION OF HIP FRACTURE.....	1,988	5.9	5.8	0.6	11.7	11.0	1.1	15.1	14.5	1.1
PROSTATECTOMY.....	5,925	0.8	0.8	0.1	1.9	2.0	0.3	3.5	3.4	0.3
CHOLECYSTECTOMY.....	2,253	3.6	3.1	0.7	6.6	5.7	1.0	8.2	7.6	1.1
HYSTERECTOMY.....	1,299	0.8	0.9	0.3	1.7	1.8	0.5	2.4	2.7	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 922,399						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.55	26.52	0.05	1.04	0.00		4.68	4.65	0.02	1.01	0.00
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.71	0.79	0.01	0.90	0.01						
CONGESTIVE HEART FAILURE.....	1.81	1.60	0.01	1.13	0.01						
PNEUMONIA/INFLUENZA.....	1.21	1.04	0.01	1.16	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.41	0.01	1.11	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.37	0.01	0.96	0.02						
STROKE.....	0.97	0.90	0.01	1.07	0.01						
HIP FRACTURE.....	0.57	0.59	0.01	0.97	0.01						
SEPSIS.....	0.43	0.36	0.01	1.19	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.25	0.00	1.11	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.35	0.01	0.88	0.01						
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.00	1.11	0.03						
CAROTID ENDARTERECTOMY.....	0.10	0.11	0.00	1.00	0.03						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.41	0.01	1.02	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.01	0.93	0.02						
PROSTATECTOMY.....	0.77	0.76	0.01	1.02	0.01						
CHOLECYSTECTOMY.....	0.31	0.38	0.01	0.81	0.01						
HYSTERECTOMY.....	0.16	0.16	0.00	0.99	0.02						

** QUANTITIES COULD NOT BE ESTIMATED

MERCED, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,732	10.4	9.3	0.7	15.0	14.1	0.7	19.1	18.0	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	103	26.2	24.7	4.3	29.1	28.0	4.5	34.0	31.4	4.8
CONGESTIVE HEART FAILURE.....	112	20.5	16.2	3.7	25.9	25.2	4.2	34.8	32.5	4.5
PNEUMONIA/INFLUENZA.....	162	16.0	15.9	2.9	23.5	21.8	3.8	27.2	26.4	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	58	6.9	5.7	3.6	20.7	11.7	6.8	27.6	17.0	8.9
TRANSIENT CEREBRAL ISCHEMIA.....	54	1.9	1.9	2.3	3.7	4.2	3.4	9.3	6.6	4.4
STROKE.....	101	26.7	19.4	5.5	33.7	26.9	5.5	36.6	31.6	5.3
HIP FRACTURE.....	60	3.3	6.2	4.9	8.3	11.2	7.9	11.7	14.7	7.1
SEPSIS.....	36	33.3	25.9	*	50.0	34.0	*	50.0	39.6	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	12	8.3	6.4	*	8.3	9.7	*	16.7	12.2	*
CARDIAC ENDARTERECTOMY.....	14	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	23	0.0	1.9	*	0.0	3.5	*	0.0	4.8	*
OPEN REDUCTION OF HIP FRACTURE.....	44	4.5	5.1	*	9.1	9.9	*	13.6	13.4	*
PROSTATECTOMY.....	138	0.7	0.6	0.8	0.7	1.5	1.4	1.4	2.6	2.2
CHOLECYSTECTOMY.....	62	4.8	2.9	2.7	4.8	5.4	3.4	8.1	7.1	3.5
HYSTERECTOMY.....	21	4.8	0.6	*	4.8	1.3	*	4.8	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 18,074						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.52	28.01	0.39	1.09	0.01		4.39	4.36	0.15	1.01	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.95	0.93	0.07	1.02	0.08						
CONGESTIVE HEART FAILURE.....	1.72	1.65	0.10	1.04	0.06						
PNEUMONIA/INFLUENZA.....	1.72	1.26	0.08	1.37	0.09						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.66	0.56	0.06	1.14	0.12						
TRANSIENT CEREBRAL ISCHEMIA.....	0.48	0.42	0.05	1.11	0.13						
STROKE.....	0.99	0.90	0.07	1.10	0.09						
HIP FRACTURE.....	0.51	0.53	0.05	0.95	0.10						
SEPSIS.....	0.42	0.32	0.04	1.30	0.18						
PROCEDURES:											
ANGIOPLASTY.....	0.32	0.27	0.04	1.06	0.16						
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.39	0.05	1.02	0.13						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.03	0.89	0.17						
CARDIAC ENDARTERECTOMY.....	0.21	0.14	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.29	0.40	0.05	0.67	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.26	0.04	1.20	0.19						
PROSTATECTOMY.....	0.92	0.83	0.07	1.09	0.09						
CHOLECYSTECTOMY.....	0.44	0.48	0.05	0.90	0.10						
HYSTERECTOMY.....	0.14	0.17	0.03	0.92	0.19						

** QUANTITIES COULD NOT BE ESTIMATED

MOORESTO, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	8,834	11.0	9.3	0.5	15.6	13.9	0.4	19.0	17.5	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	308	30.2	26.3	3.8	33.4	29.7	4.0	37.3	33.2	4.7
CONGESTIVE HEART FAILURE.....	430	16.5	14.2	2.2	24.0	22.0	2.3	31.6	28.6	2.9
PNEUMONIA/INFLUENZA.....	582	18.9	15.9	2.0	25.8	21.7	2.5	29.4	26.3	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	116	5.2	5.8	2.2	9.5	10.4	3.0	13.8	14.5	3.5
TRANSIENT CEREBRAL ISCHEMIA.....	110	1.8	1.8	1.9	2.7	3.9	3.8	9.1	6.2	4.6
STROKE.....	328	23.5	20.1	4.1	31.4	26.9	4.8	36.0	31.3	5.1
HIP FRACTURE.....	216	6.9	7.0	1.7	11.6	12.3	2.3	17.1	15.7	3.5
SEPSIS.....	134	30.6	25.3	5.4	37.3	34.3	5.0	46.3	40.5	6.3
PROCEDURES:										
ANGIOPLASTY.....	143	2.1	2.1	1.2	2.8	2.7	1.4	2.8	3.6	1.7
CORONARY ARTERY BYPASS GRAFT.....	189	6.3	5.9	2.3	6.9	8.4	2.5	7.4	10.1	2.8
INITIAL PACEMAKER INSERTION.....	83	3.6	4.7	2.6	9.6	8.4	3.2	15.7	11.6	5.2
CAROTID ENDARTERECTOMY.....	76	1.3	1.3	1.6	1.3	2.3	1.9	2.6	3.3	2.5
HIP REPLACEMENT/RECONSTRUCTION.....	181	6.6	3.3	2.1	8.8	6.0	2.3	11.6	7.8	2.7
OPEN REDUCTION OF HIP FRACTURE.....	105	4.8	5.8	2.6	10.5	10.8	3.2	14.3	14.0	3.4
PROSTATECTOMY.....	367	0.8	0.7	0.5	1.4	1.7	0.7	2.2	2.8	1.1
CHOLECYSTECTOMY.....	195	4.6	2.6	1.7	6.7	4.7	2.4	9.2	6.2	3.0
HYSTERECTOMY.....	81	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 45,097					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SO,%	REL	SE	OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	26.31	27.35	0.25	0.96	0.01	4.69	4.39	0.10	1.07	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.87	0.90	0.04	0.96	0.05					
CONGESTIVE HEART FAILURE.....	1.53	1.60	0.06	0.95	0.04					
PNEUMONIA/INFLUENZA.....	1.69	1.22	0.05	1.37	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.53	0.03	0.77	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.41	0.03	0.74	0.06					
STROKE.....	0.88	0.87	0.04	1.02	0.05					
HIP FRACTURE.....	0.53	0.56	0.03	0.94	0.06					
SEPSIS.....	0.41	0.31	0.03	1.33	0.12					
PROCEDURES:										
ANGIOPLASTY.....	0.36	0.26	0.02	1.32	0.13					
CORONARY ARTERY BYPASS GRAFT.....	0.47	0.37	0.03	1.27	0.10					
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.02	0.98	0.11					
CAROTID ENDARTERECTOMY.....	0.18	0.14	0.02	1.00	0.13					
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.42	0.03	1.09	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.27	0.02	1.00	0.09					
PROSTATECTOMY.....	0.86	0.78	0.04	1.10	0.06					
CHOLECYSTECTOMY.....	0.50	0.47	0.03	1.09	0.08					
HYSTERECTOMY.....	0.17	0.18	0.02	0.99	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

OAKLAND, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	39,414	10.6	9.8	0.2	15.8	14.8	0.3	19.5	18.8	0.2
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,219	25.6	26.8	1.5	29.5	30.3	1.8	32.2	33.7	1.7
CONGESTIVE HEART FAILURE.....	2,164	14.7	15.0	0.8	24.2	23.2	1.0	29.7	30.0	1.1
PNEUMONIA/INFLUENZA.....	1,945	17.9	16.8	1.6	24.3	23.0	1.2	28.6	27.7	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	502	10.6	6.9	1.7	16.9	12.1	2.2	21.1	16.8	2.2
TRANSIENT CEREBRAL ISCHEMIA.....	416	2.6	1.9	1.1	5.0	4.1	2.0	7.9	6.6	2.2
STROKE.....	1,788	21.9	21.4	1.1	29.9	28.0	1.6	34.1	32.4	1.7
HIP FRACTURE.....	1,067	6.7	6.6	1.0	12.3	11.9	1.0	15.7	15.6	1.2
SEPSIS.....	498	29.5	26.3	3.2	38.2	34.4	3.8	44.6	40.7	4.1
PROCEDURES:										
ANGIOPLASTY.....	559	2.5	2.8	1.0	3.6	3.8	1.0	4.7	4.8	1.0
CORONARY ARTERY BYPASS GRAFT.....	385	5.5	5.6	1.4	6.8	8.0	2.0	7.5	9.5	2.5
INITIAL PACEMAKER INSERTION.....	248	4.4	3.4	1.5	7.7	6.5	1.9	10.1	9.2	2.1
CAROTID ENDOARTERECTOMY.....	170	0.6	1.5	1.1	0.6	2.9	2.0	1.2	4.4	2.4
HIP REPLACEMENT/RECONSTRUCTION.....	760	3.0	2.8	0.7	5.1	5.4	0.9	6.7	7.3	1.1
OPEN REDUCTION OF HIP FRACTURE.....	532	7.5	6.2	1.5	13.3	11.8	2.3	17.5	15.5	3.3
PROSTATECTOMY.....	1,236	0.7	0.7	0.3	1.9	1.7	0.4	3.2	2.9	0.5
CHOLECYSTECTOMY.....	608	3.1	2.7	0.8	4.9	4.8	0.9	6.3	6.3	1.0
HYSTERECTOMY.....	293	0.3	0.7	0.6	1.4	1.5	0.9	3.1	2.2	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 245,244					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.98	26.24	0.10	0.99	0.00	4.63	4.57	0.04	1.01	0.01
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.76	0.76	0.02	1.01	0.02					
CONGESTIVE HEART FAILURE.....	1.71	1.59	0.02	1.00	0.02					
PNEUMONIA/INFLUENZA.....	1.18	0.99	0.02	1.20	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.39	0.01	1.04	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.36	0.01	0.71	0.02					
STROKE.....	1.03	0.90	0.02	1.15	0.02					
HIP FRACTURE.....	0.55	0.57	0.01	0.96	0.03					
SEPSIS.....	0.33	0.36	0.01	0.91	0.03					
PROCEDURES:										
ANGIOPLASTY.....	0.42	0.25	0.01	1.70	0.07					
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.34	0.01	0.88	0.03					
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.01	0.81	0.04					
CAROTID ENDOARTERECTOMY.....	0.11	0.11	0.01	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.39	0.01	1.06	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.01	0.95	0.04					
PROSTATECTOMY.....	0.63	0.74	0.02	0.86	0.02					
CHOLECYSTECTOMY.....	0.31	0.36	0.01	0.87	0.03					
HYSTERECTOMY.....	0.14	0.16	0.01	0.88	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

OXNARD-VENTURA, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	9,524	9.0	8.9	0.4	14.3	13.5	0.4	18.0	17.1	0.6
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	354	24.9	26.4	3.4	30.8	29.9	3.4	33.6	33.2	2.5
CONGESTIVE HEART FAILURE.....	415	12.5	14.0	3.4	20.7	21.7	3.0	27.0	28.2	2.5
PNEUMONIA/INFLUENZA.....	498	14.1	14.8	1.9	20.5	20.4	1.9	24.5	24.7	2.4
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	121	6.6	5.9	2.2	10.7	10.9	4.2	17.4	15.3	3.9
TRANSIENT CEREBRAL ISCHEMIA.....	134	2.2	1.9	1.5	6.7	4.4	2.5	11.2	7.0	3.5
STROKE.....	401	17.5	20.8	2.5	26.9	27.4	2.4	32.2	31.8	2.4
HIP FRACTURE.....	254	5.9	6.4	1.8	12.6	11.6	2.2	16.9	15.3	3.2
SEPSIS.....	126	20.6	23.9	4.2	27.0	31.8	5.0	29.4	38.0	6.8
PROCEOURES:										
ANGIOPLASTY.....	119	1.7	3.1	2.2	1.7	4.1	2.9	3.4	5.2	3.4
CORONARY ARTERY BYPASS GRAFT.....	181	1.1	5.3	2.2	2.8	7.5	2.7	2.8	8.9	3.0
INITIAL PACEMAKER INSERTION.....	102	3.9	3.9	2.0	7.8	7.0	2.8	9.8	9.9	3.0
CAROTIO ENDARTERECTOMY.....	54	1.9	1.3	1.7	1.9	2.5	2.2	3.7	3.7	2.6
HIP REPLACEMENT/RECONSTRUCTION.....	193	1.6	3.1	1.8	6.2	6.0	1.7	9.3	8.1	2.4
OPEN REDUCTION OF HIP FRACTURE.....	124	5.6	6.2	2.5	12.9	11.8	3.1	16.1	15.7	3.4
PROSTATECTOMY.....	435	0.2	0.7	0.5	0.7	1.6	0.9	1.6	2.7	1.3
CHOLECYSTECTOMY.....	194	3.1	2.3	2.0	5.2	4.0	2.3	5.7	5.2	2.4
HYSTERECTOMY.....	117	0.0	0.9	1.2	0.9	1.6	1.3	1.7	2.2	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 65,998						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	24.23	25.48	0.20	0.95	0.01		4.31	4.39	0.08	0.98	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.79	0.81	0.03	0.98	0.04						
CONGESTIVE HEART FAILURE.....	1.28	1.46	0.05	0.87	0.03						
PNEUMONIA/INFLUENZA.....	1.11	1.04	0.04	1.07	0.04						
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.37	0.43	0.02	0.87	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.36	0.02	0.87	0.06						
STROKE.....	0.89	0.82	0.03	1.08	0.05						
HIP FRACTURE.....	0.53	0.57	0.03	0.92	0.05						
SEPSIS.....	0.33	0.31	0.02	1.07	0.07						
PROCEOURES:											
ANGIOPLASTY.....	0.28	0.26	0.02	1.11	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.36	0.02	1.06	0.07						
INITIAL PACEMAKER INSERTION.....	0.23	0.19	0.02	1.22	0.11						
CAROTIO ENOARTERECTOMY.....	0.13	0.13	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.43	0.02	0.98	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.28	0.02	0.90	0.07						
PROSTATECTOMY.....	0.88	0.77	0.03	1.16	0.05						
CHOLECYSTECTOMY.....	0.40	0.40	0.02	**	**						
HYSTERECTOMY.....	0.21	0.17	0.02	1.20	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

REDDING, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,469	9.6	8.1	0.5	14.0	12.2	0.6	17.6	15.5	0.7
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	137	24.1	23.8	3.7	25.5	26.8	4.1	27.0	30.1	4.9
CONGESTIVE HEART FAILURE.....	128	19.5	14.4	5.5	29.7	21.9	6.7	35.9	28.3	7.6
PNEUMONIA/INFLUENZA.....	140	17.1	15.0	3.1	25.0	20.5	4.5	29.3	24.8	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	75	9.3	6.2	3.5	13.3	11.1	4.1	14.7	15.6	4.4
TRANSIENT CEREBRAL ISCHEMIA.....	52	3.8	1.6	2.6	7.7	3.4	4.9	9.6	5.4	6.9
STROKE.....	162	23.5	21.1	6.5	29.0	27.2	5.6	33.3	31.5	5.6
HIP FRACTURE.....	120	10.0	6.7	3.7	13.3	11.7	4.6	19.2	15.0	6.8
SEPSIS.....	32	15.6	23.7	*	21.9	31.1	*	25.0	36.9	*
PROCEDURES:										
ANGIOPLASTY.....	34	5.9	4.7	*	5.9	5.7	*	5.9	6.9	*
CORONARY ARTERY BYPASS GRAFT.....	183	4.4	5.4	2.1	5.5	7.5	3.0	5.5	8.9	3.5
INITIAL PACEMAKER INSERTION.....	49	4.1	3.5	*	8.2	6.3	*	12.2	8.7	*
CAROTID ENDARTERECTOMY.....	49	2.0	1.2	*	4.1	2.1	*	6.1	3.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	81	6.2	2.9	2.7	8.6	5.3	4.1	13.6	6.9	5.2
OPEN REDUCTION OF HIP FRACTURE.....	61	9.8	5.7	4.9	11.5	10.4	4.1	13.1	13.6	4.5
PROSTATECTOMY.....	202	1.5	0.6	0.7	3.0	1.4	1.3	5.4	2.4	2.1
CHOLECYSTECTOMY.....	85	7.1	4.0	3.7	7.1	7.0	3.9	10.6	9.1	4.3
HYSTERECTOMY.....	62	0.0	0.3	*	0.0	0.8	*	0.0	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 24,290						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.91	27.00	0.33	0.96	0.01		4.49	4.21	0.13	1.07	0.03
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.74	0.91	0.06	0.82	0.06						
CONGESTIVE HEART FAILURE.....	0.92	1.54	0.08	0.61	0.03						
PNEUMONIA/INFLUENZA.....	0.84	1.20	0.07	0.70	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.56	0.05	1.00	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.41	0.04	0.61	0.06						
STROKE.....	0.78	0.84	0.06	0.92	0.07						
HIP FRACTURE.....	0.53	0.51	0.05	1.04	0.10						
SEPSIS.....	0.16	0.30	0.04	0.57	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.21	0.29	0.04	0.63	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.93	0.40	0.04	2.30	0.25						
INITIAL PACEMAKER INSERTION.....	0.25	0.19	0.03	1.32	0.22						
CAROTID ENDARTERECTOMY.....	0.26	0.15	0.03	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.40	0.04	1.01	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.24	0.03	0.98	0.14						
PROSTATECTOMY.....	0.93	0.83	0.06	1.10	0.08						
CHOLECYSTECTOMY.....	0.42	0.48	0.04	0.84	0.08						
HYSTERECTOMY.....	0.21	0.17	0.03	1.26	0.22						

** QUANTITIES COULD NOT BE ESTIMATED

RIVERSIDE-SAN BERNARDINO, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	45,549	10.3	9.0	0.2	15.3	13.7	0.3	18.7	17.4	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,520	25.7	25.2	1.3	29.5	28.4	1.4	32.0	31.8	1.2
CONGESTIVE HEART FAILURE.....	2,265	16.8	14.7	1.3	24.9	22.9	1.3	31.7	29.7	1.4
PNEUMONIA/INFLUENZA.....	2,550	19.3	15.8	1.1	26.2	21.6	1.0	30.5	26.3	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	727	9.6	6.8	1.5	15.5	12.0	1.9	19.3	16.7	1.7
TRANSIENT CEREBRAL ISCHEMIA.....	771	2.7	1.8	0.7	5.3	3.9	1.0	7.0	6.3	0.9
STROKE.....	1,760	21.5	19.4	1.3	30.1	26.1	1.7	33.8	30.5	1.6
HIP FRACTURE.....	1,168	6.7	6.0	1.0	12.8	10.8	1.6	15.8	14.2	1.6
SEPSIS.....	554	29.1	24.9	3.0	38.4	32.9	3.0	43.3	39.0	2.8
PROCEDURES:										
ANGIOPLASTY.....	301	1.3	2.5	1.6	1.3	3.2	1.7	2.3	4.1	1.8
CORONARY ARTERY BYPASS GRAFT.....	407	3.9	5.4	1.9	6.6	7.4	2.1	7.4	8.8	2.4
INITIAL PACEMAKER INSERTION.....	370	5.9	3.7	1.6	9.5	6.9	1.9	13.0	9.8	2.4
CAROTID ENDOARTERECTOMY.....	308	1.3	1.4	0.8	3.6	2.6	1.3	4.5	3.9	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	858	3.0	3.0	0.8	6.6	5.8	1.3	8.7	7.9	1.6
OPEN REDUCTION OF HIP FRACTURE.....	603	5.6	5.5	1.0	11.8	10.4	1.8	15.3	13.8	2.5
PROSTATECTOMY.....	1,896	1.1	0.8	0.3	2.3	2.0	0.5	4.1	3.5	0.8
CHOLECYSTECTOMY.....	878	2.6	2.8	0.6	5.6	5.0	0.9	7.2	6.6	1.2
HYSTERECTOMY.....	354	0.8	0.7	0.5	1.1	1.4	0.7	2.3	2.1	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 298,422						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	24.52	26.67	0.09	0.92	0.00		4.47	4.35	0.04	1.03	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.87	0.02	0.90	0.02						
CONGESTIVE HEART FAILURE.....	1.40	1.57	0.02	0.89	0.01						
PNEUMONIA/INFLUENZA.....	1.27	1.12	0.02	1.13	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.49	0.01	1.00	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.39	0.01	0.94	0.03						
STROKE.....	0.83	0.87	0.02	0.96	0.02						
HIP FRACTURE.....	0.52	0.54	0.01	0.96	0.02						
SEPSIS.....	0.31	0.32	0.01	0.97	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.28	0.01	0.87	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.39	0.01	0.76	0.02						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.96	0.04						
CAROTID ENDOARTERECTOMY.....	0.16	0.14	0.01	1.00	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.41	0.01	0.97	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.27	0.01	**	**						
PROSTATECTOMY.....	0.79	0.82	0.02	0.97	0.02						
CHOLECYSTECTOMY.....	0.38	0.44	0.01	0.87	0.02						
HYSTERECTOMY.....	0.15	0.17	0.01	0.88	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

SACRAMENTO, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	30,556	9.6	9.3	0.2	14.5	14.1	0.3	17.8	17.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	926	21.6	25.4	2.3	26.5	28.9	2.6	29.2	32.4	2.1
CONGESTIVE HEART FAILURE.....	1,355	16.1	14.9	1.5	24.4	23.0	1.7	30.2	29.8	1.5
PNEUMONIA/INFLUENZA.....	1,451	17.7	16.3	1.7	24.6	22.3	1.9	29.4	27.0	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	543	8.3	6.5	1.6	14.7	11.9	2.3	20.3	16.6	2.9
TRANSIENT CEREBRAL ISCHEMIA.....	381	1.6	1.9	0.8	3.4	4.3	1.6	5.5	6.9	2.5
STROKE.....	1,097	20.9	21.4	1.7	27.5	28.0	1.4	31.5	32.5	1.6
HIP FRACTURE.....	790	7.3	6.5	1.1	11.6	11.7	1.2	15.8	15.2	1.6
SEPSIS.....	369	27.9	26.4	4.0	39.0	34.2	4.3	43.1	40.3	3.9
PROCEDURES:										
ANGIOPLASTY.....	321	1.2	3.5	1.5	4.0	4.8	1.9	5.0	6.2	1.5
CORONARY ARTERY BYPASS GRAFT.....	593	3.2	5.4	1.3	5.1	8.1	1.6	5.7	9.9	1.7
INITIAL PACEMAKER INSERTION.....	187	2.7	2.8	1.2	5.3	5.5	1.7	8.6	8.1	2.0
CAROTID ENDARTERECTOMY.....	173	0.0	1.4	1.7	1.2	2.6	2.1	2.3	3.8	2.5
HIP REPLACEMENT/RECONSTRUCTION.....	653	2.5	2.8	1.2	4.3	5.2	1.4	6.3	7.0	1.3
OPEN REDUCTION OF HIP FRACTURE.....	397	8.6	5.9	2.3	12.8	10.9	2.7	16.9	14.3	2.8
PROSTATECTOMY.....	1,118	0.7	0.7	0.3	1.4	1.7	0.6	2.7	2.9	0.5
CHOLECYSTECTOMY.....	496	3.0	2.4	0.8	5.0	4.5	1.1	6.7	6.0	1.4
HYSTERECTOMY.....	308	0.6	0.9	0.6	1.9	2.1	0.8	3.6	3.2	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 177,287						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.02	26.56	0.12	0.94	0.00		4.38	4.37	0.05	1.00	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.79	0.84	0.02	0.94	0.02						
CONGESTIVE HEART FAILURE.....	1.36	1.55	0.03	0.88	0.02						
PNEUMONIA/INFLUENZA.....	1.22	1.13	0.02	1.08	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.57	0.49	0.02	1.19	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.38	0.01	0.75	0.03						
STROKE.....	0.83	0.86	0.02	0.96	0.02						
HIP FRACTURE.....	0.54	0.55	0.02	1.00	0.03						
SEPSIS.....	0.32	0.32	0.01	0.99	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.26	0.01	1.09	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.37	0.01	1.19	0.05						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.01	0.72	0.04						
CAROTID ENDARTERECTOMY.....	0.11	0.13	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.41	0.01	1.01	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.27	0.01	1.02	0.05						
PROSTATECTOMY.....	0.76	0.77	0.02	0.99	0.03						
CHOLECYSTECTOMY.....	0.34	0.42	0.01	0.79	0.03						
HYSTERECTOMY.....	0.17	0.17	0.01	1.06	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

SALINAS-SEASIDE-MONTEREY, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,655	9.4	8.6	0.5	14.0	13.2	0.6	17.4	16.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	165	32.7	27.0	6.7	35.2	30.3	6.3	38.2	33.7	5.8
CONGESTIVE HEART FAILURE.....	224	9.8	14.8	3.0	14.3	23.0	3.9	21.4	29.8	4.1
PNEUMONIA/INFLUENZA.....	255	11.0	14.2	3.6	15.7	19.6	5.1	19.6	23.8	5.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	81	12.3	6.0	3.8	16.0	10.9	4.1	21.0	15.4	4.7
TRANSIENT CEREBRAL ISCHEMIA.....	71	1.4	1.8	1.7	4.2	4.0	2.6	5.6	6.4	3.2
STROKE.....	261	18.8	20.3	3.0	25.3	26.4	3.1	28.7	30.8	4.5
HIP FRACTURE.....	134	6.0	7.2	2.8	13.4	12.9	2.9	16.4	16.7	3.4
SEPSIS.....	71	23.9	23.5	7.3	36.6	30.4	7.5	38.0	36.1	6.0
PROCEDURES:										
ANGIOPLASTY.....	18	0.0	2.9	*	5.6	3.6	*	11.1	4.6	*
CORONARY ARTERY BYPASS GRAFT.....	22	13.6	6.8	*	13.6	10.5	*	18.2	12.9	*
INITIAL PACEMAKER INSERTION.....	36	0.0	2.4	*	2.8	4.6	*	2.8	6.8	*
CAROTID ENDARTERECTOMY.....	44	4.5	1.2	*	4.5	2.2	*	4.5	3.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	133	2.3	3.1	2.0	5.3	5.9	2.2	6.8	8.0	2.9
OPEN REDUCTION OF HIP FRACTURE.....	72	5.6	6.5	3.1	13.9	11.9	4.2	16.7	15.5	4.7
PROSTATECTOMY.....	220	0.9	0.7	0.6	2.3	1.7	1.1	2.7	2.8	1.1
CHOLECYSTECTOMY.....	108	1.9	2.4	1.9	3.7	4.6	2.2	5.6	6.4	2.4
HYSTERECTOMY.....	48	0.0	0.7	*	0.0	1.5	*	2.1	2.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 36,368						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.80	25.81	0.27	0.96	0.01		4.43	4.36	0.11	1.01	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.67	0.83	0.05	0.81	0.05						
CONGESTIVE HEART FAILURE.....	1.21	1.48	0.06	0.81	0.03						
PNEUMONIA/INFLUENZA.....	1.01	1.04	0.05	0.96	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.42	0.03	1.01	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.37	0.03	0.74	0.07						
STROKE.....	0.96	0.85	0.05	1.12	0.06						
HIP FRACTURE.....	0.50	0.58	0.04	0.86	0.06						
SEPSIS.....	0.32	0.31	0.03	1.05	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.38	0.26	0.03	1.44	0.16						
CORONARY ARTERY BYPASS GRAFT.....	0.26	0.37	0.03	0.68	0.06						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.02	0.93	0.12						
CAROTID ENDARTERECTOMY.....	0.18	0.13	0.02	1.00	0.17						
HIP REPLACEMENT/RECONSTRUCTION.....	0.49	0.43	0.03	1.16	0.09						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.28	0.03	0.98	0.10						
PROSTATECTOMY.....	0.75	0.80	0.05	0.93	0.06						
CHOLECYSTECTOMY.....	0.37	0.40	0.03	0.95	0.08						
HYSTERECTOMY.....	0.15	0.17	0.02	0.95	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

SAN DIEGO, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	44,838	9.5	9.1	0.3	14.2	13.8	0.3	17.7	17.5	0.2
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,332	26.7	25.5	1.9	30.5	28.9	1.9	33.4	32.3	1.7
CONGESTIVE HEART FAILURE.....	2,057	15.0	14.9	0.9	23.4	23.1	1.1	30.6	29.8	1.3
PNEUMONIA/INFLUENZA.....	1,885	16.0	15.7	1.3	22.0	21.4	1.1	26.3	25.9	1.1
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	687	8.3	7.2	1.4	14.1	12.8	2.1	18.6	17.8	2.5
TRANSIENT CEREBRAL ISCHEMIA.....	439	1.6	1.9	0.7	2.7	4.2	1.6	6.4	6.8	1.4
STROKE.....	1,746	18.7	20.8	1.6	26.4	27.2	1.4	31.1	31.6	1.2
HIP FRACTURE.....	1,304	7.9	6.5	1.1	14.0	11.7	1.6	17.3	15.2	1.6
SEPSIS.....	493	21.3	25.0	3.4	30.8	33.0	3.0	35.9	39.0	3.5
PROCEOURES:										
ANGIOPLASTY.....	546	3.5	3.1	0.8	4.0	4.1	0.9	5.3	5.3	1.0
CORONARY ARTERY BYPASS GRAFT.....	834	7.0	5.7	1.4	9.0	8.1	1.3	10.1	9.6	1.1
INITIAL PACEMAKER INSERTION.....	363	4.1	3.6	1.1	7.2	7.2	1.4	10.7	10.5	1.6
CAROTID ENOARTERECTOMY.....	190	1.6	1.4	0.9	2.1	2.5	1.2	3.2	3.8	1.7
HIP REPLACEMENT/RECONSTRUCTION.....	1,125	3.7	2.8	0.7	7.0	5.2	1.2	8.8	7.1	1.3
OPEN REOUCTION OF HIP FRACTURE.....	699	7.4	6.1	1.6	13.4	11.3	2.2	17.3	14.9	2.5
PROSTATECTOMY.....	1,991	0.3	0.7	0.4	1.4	1.6	0.3	2.7	2.7	0.4
CHOLECYSTECTOMY.....	919	3.3	2.9	0.6	5.7	5.3	0.8	6.7	7.0	1.0
HYSTERECTOMY.....	410	1.0	0.7	0.6	1.2	1.5	1.0	2.4	2.3	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 291,315						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	21.73	25.53	0.09	0.85	0.00		4.18	4.39	0.04	0.95	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.62	0.82	0.02	0.76	0.02						
CONGESTIVE HEART FAILURE.....	1.23	1.49	0.02	0.83	0.01						
PNEUMONIA/INFLUENZA.....	0.93	1.04	0.02	0.90	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.43	0.01	0.96	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.20	0.37	0.01	0.55	0.02						
STROKE.....	0.78	0.84	0.02	0.91	0.02						
HIP FRACTURE.....	0.55	0.56	0.01	0.98	0.02						
SEPSIS.....	0.26	0.32	0.01	0.82	0.03						
PROCEOURES:											
ANGIOPLASTY.....	0.28	0.27	0.01	1.06	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.38	0.01	1.01	0.03						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.01	0.86	0.04						
CAROTID ENOARTERECTOMY.....	0.08	0.13	0.01	1.00	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.43	0.01	1.06	0.03						
OPEN REOUCTION OF HIP FRACTURE.....	0.29	0.28	0.01	1.06	0.04						
PROSTATECTOMY.....	0.79	0.80	0.02	0.99	0.02						
CHOLECYSTECTOMY.....	0.37	0.40	0.01	0.91	0.03						
HYSTERECTOMY.....	0.15	0.17	0.01	0.88	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

SAN FRANCISCO, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	35,462	8.8	9.1	0.2	13.7	14.0	0.3	17.4	17.8	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,026	21.5	28.5	1.7	25.5	32.0	1.6	29.1	35.5	1.6
CONGESTIVE HEART FAILURE.....	1,648	13.7	15.2	1.1	21.3	23.4	1.6	28.4	30.3	1.5
PNEUMONIA/INFLUENZA.....	1,396	16.1	15.2	1.4	22.1	20.9	1.4	25.8	25.4	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	333	8.4	8.9	2.1	13.8	15.2	2.8	18.9	20.7	2.5
TRANSIENT CEREBRAL ISCHEMIA.....	342	1.2	2.0	1.2	5.6	4.6	1.3	8.8	7.5	2.3
STROKE.....	1,429	19.5	20.8	1.9	26.3	27.4	1.8	30.0	31.9	2.3
HIP FRACTURE.....	899	6.2	6.5	1.0	11.9	11.7	1.1	14.5	15.3	1.3
SEPSIS.....	411	29.7	25.4	2.9	39.4	33.3	3.9	42.8	39.6	2.8
PROCEDURES:										
ANGIOPLASTY.....	450	2.0	2.2	0.7	2.7	3.1	1.1	3.3	4.1	1.6
CORONARY ARTERY BYPASS GRAFT.....	677	6.5	5.6	1.6	9.5	8.5	1.7	11.2	10.3	1.3
INITIAL PACEMAKER INSERTION.....	284	3.5	3.9	1.8	6.0	7.3	1.9	10.2	10.4	1.8
CAROTIO ENDARTERECTOMY.....	196	0.5	1.3	1.2	1.5	2.3	1.5	3.1	3.4	1.4
HIP REPLACEMENT/RECONSTRUCTION.....	865	3.0	2.6	0.6	6.0	4.9	1.1	6.8	6.8	0.9
OPEN REDUCTION OF HIP FRACTURE.....	441	4.5	6.1	1.4	11.1	11.4	1.6	15.4	15.0	1.7
PROSTATECTOMY.....	1,195	0.8	0.9	0.3	2.1	2.1	0.6	3.0	3.5	0.6
CHOLECYSTECTOMY.....	455	2.2	2.9	1.2	4.0	5.4	1.9	5.3	7.2	2.3
HYSTERECTOMY.....	271	0.4	1.0	0.7	0.4	2.2	1.3	1.1	3.3	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 232,317						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.43	25.92	0.11	0.87	0.00		4.66	4.73	0.04	0.98	0.01
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.71	0.78	0.02	0.90	0.02						
CONGESTIVE HEART FAILURE.....	1.37	1.55	0.03	0.88	0.01						
PNEUMONIA/INFLUENZA.....	0.93	1.05	0.02	0.89	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.29	0.39	0.01	0.74	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.36	0.01	0.60	0.02						
STROKE.....	0.91	0.87	0.02	1.04	0.02						
HIP FRACTURE.....	0.58	0.63	0.02	0.92	0.02						
SEPSIS.....	0.30	0.35	0.01	0.86	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.21	0.26	0.01	0.82	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.26	0.35	0.01	0.76	0.03						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.92	0.04						
CAROTIO ENDARTERECTOMY.....	0.09	0.11	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.44	0.01	1.05	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.31	0.01	0.91	0.03						
PROSTATECTOMY.....	0.64	0.76	0.02	1.00	0.02						
CHOLECYSTECTOMY.....	0.26	0.36	0.01	0.70	0.02						
HYSTERECTOMY.....	0.14	0.17	0.01	1.00	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

SAN JOSE, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	22,415	9.6	9.2	0.3	14.4	14.0	0.3	17.7	17.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	676	27.4	27.3	2.0	30.8	30.5	1.8	33.4	33.9	1.9
CONGESTIVE HEART FAILURE.....	1,023	17.0	15.8	1.5	25.9	24.3	2.0	31.9	31.2	1.6
PNEUMONIA/INFLUENZA.....	954	16.5	16.2	1.6	22.1	22.1	1.3	26.0	26.7	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	287	8.0	8.3	1.8	16.4	14.3	2.8	23.3	19.5	4.1
TRANSIENT CEREBRAL ISCHEMIA.....	261	1.9	1.8	1.1	5.0	3.8	1.5	5.7	6.0	1.5
STROKE.....	920	23.4	21.8	2.3	29.6	28.4	2.2	33.6	32.9	2.1
HIP FRACTURE.....	676	6.1	6.5	1.1	12.0	11.6	1.3	15.8	15.0	2.0
SEPSIS.....	205	26.3	26.7	3.2	35.1	34.8	3.4	40.5	41.1	3.5
PROCEDURES:										
ANGIOPLASTY.....	448	1.8	2.9	1.5	3.3	3.9	1.5	4.2	5.1	1.4
CORONARY ARTERY BYPASS GRAFT.....	363	8.3	5.8	2.0	11.8	8.4	2.5	14.0	10.2	2.9
INITIAL PACEMAKER INSERTION.....	185	3.2	3.7	1.8	9.2	7.0	3.0	11.4	9.9	3.0
CAROTID ENDARTERECTOMY.....	152	0.7	1.4	1.3	0.7	2.6	1.9	3.3	3.8	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	544	3.1	2.9	1.3	6.3	5.4	1.3	7.7	7.3	1.4
OPEN REDUCTION OF HIP FRACTURE.....	335	6.0	6.1	1.5	12.8	11.3	2.1	17.9	14.8	3.3
PROSTATECTOMY.....	801	0.9	0.7	0.4	2.0	1.9	0.5	3.2	3.2	0.6
CHOLECYSTECTOMY.....	423	1.7	2.7	1.2	2.8	4.6	1.6	4.3	5.9	1.6
HYSTERECTOMY.....	197	2.0	0.6	0.8	2.0	1.3	0.9	2.0	1.9	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 134,338						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.12	25.22	0.14	0.88	0.00		4.39	4.44	0.06	0.99	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.67	0.78	0.02	0.86	0.03						
CONGESTIVE HEART FAILURE.....	1.31	1.45	0.03	0.90	0.02						
PNEUMONIA/INFLUENZA.....	0.97	1.00	0.03	0.97	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.37	0.40	0.02	0.91	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.24	0.36	0.02	0.66	0.03						
STROKE.....	0.82	0.82	0.02	0.99	0.03						
HIP FRACTURE.....	0.55	0.59	0.02	0.93	0.03						
SEPSIS.....	0.24	0.31	0.01	0.78	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.35	0.25	0.01	1.40	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.35	0.02	0.96	0.04						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.97	0.06						
CAROTID ENDARTERECTOMY.....	0.13	0.12	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.43	0.02	1.00	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.01	0.92	0.05						
PROSTATECTOMY.....	0.63	0.73	0.02	0.78	0.02						
CHOLECYSTECTOMY.....	0.35	0.38	0.02	0.92	0.04						
HYSTERECTOMY.....	0.15	0.17	0.01	0.88	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

SANTA BARBARA-SANTA MARIA-LOMPOC, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	8,071	9.6	8.8	0.4	14.3	13.5	0.5	17.6	17.1	0.5
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	217	30.9	27.4	4.2	33.6	30.7	3.8	35.5	34.2	3.8
CONGESTIVE HEART FAILURE.....	382	20.4	15.8	2.8	31.4	24.5	3.3	39.0	31.6	3.6
PNEUMONIA/INFLUENZA.....	336	18.5	15.6	3.9	25.9	21.5	4.0	29.8	26.0	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	94	12.8	7.4	5.9	17.0	13.1	5.7	20.2	18.3	4.6
TRANSIENT CEREBRAL ISCHEMIA.....	105	1.0	1.8	1.9	4.8	4.0	2.3	7.6	6.3	3.4
STROKE.....	289	22.8	21.2	3.7	31.1	27.8	3.6	34.9	32.3	4.1
HIP FRACTURE.....	222	4.5	6.4	2.5	10.8	11.6	2.8	14.0	15.1	2.9
SEPSIS.....	73	20.5	22.3	5.9	20.5	29.5	6.9	23.3	35.4	8.5
PROCEURES:										
ANGIOPLASTY.....	119	5.0	2.9	2.6	5.9	3.8	2.7	5.9	4.9	3.1
CORONARY ARTERY BYPASS GRAFT.....	98	6.1	4.4	2.2	8.2	6.2	2.8	8.2	7.6	2.7
INITIAL PACEMAKER INSERTION.....	80	2.5	3.2	2.2	2.5	6.2	3.4	3.7	9.2	4.4
CAROTIO ENOARTERECTOMY.....	65	4.6	1.3	2.9	6.2	2.5	3.8	6.2	3.7	4.3
HIP REPLACEMENT/RECONSTRUCTION.....	268	2.2	2.4	1.1	3.4	4.5	1.6	5.6	6.2	1.6
OPEN REOUCTION OF HIP FRACTURE.....	110	1.8	6.0	4.1	11.8	11.2	3.7	13.6	14.8	3.5
PROSTATECTOMY.....	409	0.2	0.6	0.7	2.0	1.6	0.8	4.4	2.7	1.2
CHOLECYSTECTOMY.....	163	3.1	2.6	1.7	8.0	4.9	2.6	9.8	6.6	3.1
HYSTERECTOMY.....	121	0.8	0.6	1.0	2.5	1.3	1.4	2.5	2.0	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 47,534						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SD,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	22.85	25.34	0.23	0.90	0.01		4.38	4.53	0.10	0.97	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.64	0.81	0.04	0.77	0.04						
CONGESTIVE HEART FAILURE.....	1.32	1.45	0.05	0.91	0.03						
PNEUMONIA/INFLUENZA.....	0.95	1.09	0.05	0.87	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.31	0.41	0.03	0.85	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.30	0.36	0.03	0.81	0.06						
STROKE.....	0.76	0.84	0.04	0.90	0.05						
HIP FRACTURE.....	0.58	0.62	0.04	0.94	0.06						
SEPSIS.....	0.22	0.31	0.03	0.71	0.06						
PROCEURES:											
ANGIOPLASTY.....	0.35	0.25	0.02	1.37	0.13						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.37	0.03	0.82	0.06						
INITIAL PACEMAKER INSERTION.....	0.23	0.19	0.02	1.17	0.13						
CAROTIO ENOARTERECTOMY.....	0.16	0.12	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.59	0.45	0.03	1.29	0.09						
OPEN REOUCTION OF HIP FRACTURE.....	0.29	0.30	0.02	0.99	0.08						
PROSTATECTOMY.....	0.87	0.80	0.04	1.08	0.06						
CHOLECYSTECTOMY.....	0.39	0.39	0.03	0.98	0.07						
HYSTERECTOMY.....	0.27	0.17	0.02	1.52	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

SANTA CRUZ, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,340	10.5	10.5	0.5	15.6	15.6	0.6	19.1	19.6	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	154	23.4	25.3	3.9	26.0	28.9	4.6	28.6	32.4	6.0
CONGESTIVE HEART FAILURE.....	252	15.5	14.5	2.6	22.2	22.4	2.7	29.4	29.1	2.9
PNEUMONIA/INFLUENZA.....	250	14.8	16.7	3.5	21.2	22.9	3.4	25.2	27.8	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	75	14.7	6.0	4.6	21.3	10.7	5.8	21.3	15.0	5.4
TRANSIENT CEREBRAL ISCHEMIA.....	44	2.3	2.3	*	4.5	5.2	*	11.4	8.5	*
STROKE.....	192	27.1	23.3	3.6	35.9	29.9	4.5	38.0	34.5	4.1
HIP FRACTURE.....	161	2.5	7.5	3.8	9.9	13.1	4.4	11.8	16.7	4.9
SEPSIS.....	92	21.7	25.8	6.4	27.2	33.3	7.8	31.5	39.2	7.3
PROCEDURES:										
ANGIOPLASTY.....	18	5.6	2.2	*	11.1	3.0	*	11.1	4.2	*
CORONARY ARTERY BYPASS GRAFT.....	39	5.1	5.3	*	5.1	7.2	*	7.7	8.5	*
INITIAL PACEMAKER INSERTION.....	40	0.0	4.0	*	0.0	7.0	*	2.5	9.8	*
CAROTID ENDARTERECTOMY.....	20	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	124	0.8	3.2	2.5	2.4	5.8	3.9	4.0	7.7	4.5
OPEN REDUCTION OF HIP FRACTURE.....	93	2.2	7.1	5.2	11.8	13.1	6.5	11.8	17.1	6.4
PROSTATECTOMY.....	201	0.5	0.6	0.6	1.0	1.6	1.0	2.5	2.7	1.2
CHOLECYSTECTOMY.....	85	7.1	3.2	3.9	10.6	5.8	4.8	11.8	7.4	5.1
HYSTERECTOMY.....	39	2.6	0.9	*	2.6	1.8	*	2.6	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 28,870						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.73	25.83	0.30	0.92	0.01		4.92	4.71	0.13	1.04	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.83	0.05	1.04	0.07						
CONGESTIVE HEART FAILURE.....	1.43	1.49	0.07	0.96	0.05						
PNEUMONIA/INFLUENZA.....	1.21	1.17	0.06	1.04	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.40	0.41	0.04	1.00	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.23	0.36	0.04	0.64	0.06						
STROKE.....	0.94	0.85	0.05	1.10	0.07						
HIP FRACTURE.....	0.65	0.66	0.05	1.00	0.07						
SEPSIS.....	0.46	0.31	0.03	1.48	0.16						
PROCEDURES:											
ANGIOPLASTY.....	0.51	0.24	0.03	2.23	0.28						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.35	0.03	0.97	0.10						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.03	1.04	0.15						
CAROTID ENDARTERECTOMY.....	0.16	0.11	0.02	1.00	0.19						
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.47	0.04	0.97	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.38	0.31	0.03	1.21	0.13						
PROSTATECTOMY.....	0.90	0.77	0.05	1.17	0.08						
CHOLECYSTECTOMY.....	0.35	0.40	0.04	0.92	0.09						
HYSTERECTOMY.....	0.18	0.18	0.02	0.98	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

SANTA ROSA-PETALUMA, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	8,544	10.5	9.5	0.4	15.5	14.3	0.6	19.1	18.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	253	24.5	26.4	3.8	30.4	29.8	4.7	31.2	33.3	3.6
CONGESTIVE HEART FAILURE.....	459	16.6	14.3	2.4	25.5	22.2	3.8	32.5	28.9	3.7
PNEUMONIA/INFLUENZA.....	459	12.4	14.5	2.8	18.1	19.8	3.0	22.4	24.1	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	118	8.5	6.3	3.0	14.4	12.0	3.8	18.6	17.0	4.0
TRANSIENT CEREBRAL ISCHEMIA.....	86	2.3	2.0	1.8	7.0	4.6	3.2	12.8	7.4	4.8
STROKE.....	349	20.1	22.4	3.1	29.8	28.9	3.7	32.7	33.5	2.7
HIP FRACTURE.....	242	5.0	6.0	2.3	9.5	10.7	2.5	14.0	14.1	2.4
SEPSIS.....	108	29.6	27.9	4.5	36.1	35.8	4.8	41.7	42.2	5.3
PROCEDURES:										
ANGIOPLASTY.....	136	10.3	4.0	2.9	13.2	5.2	3.3	14.0	6.5	3.4
CORONARY ARTERY BYPASS GRAFT.....	95	11.6	4.1	3.5	12.6	6.3	3.7	12.6	7.8	4.0
INITIAL PACEMAKER INSERTION.....	83	3.6	2.6	2.2	4.8	5.4	2.6	7.2	8.2	3.5
CAROTID ENDARTERECTOMY.....	60	1.7	1.4	1.9	6.7	2.7	3.8	6.7	4.0	4.1
HIP REPLACEMENT/RECONSTRUCTION.....	175	2.9	2.6	1.5	6.3	4.8	2.2	8.0	6.5	2.9
OPEN REDUCTION OF HIP FRACTURE.....	120	2.5	5.5	2.9	5.0	10.2	3.8	10.8	13.4	3.4
PROSTATECTOMY.....	253	1.2	0.7	0.7	2.0	1.7	1.1	2.0	2.9	1.6
CHOLECYSTECTOMY.....	161	3.7	2.9	1.6	6.8	5.0	2.3	7.5	6.4	2.5
HYSTERECTOMY.....	63	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 56,221						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.50	25.74	0.21	0.95	0.01		4.70	4.52	0.09	1.04	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.69	0.83	0.04	0.84	0.04						
CONGESTIVE HEART FAILURE.....	1.40	1.49	0.05	0.94	0.03						
PNEUMONIA/INFLUENZA.....	1.21	1.10	0.04	1.10	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.40	0.43	0.03	0.92	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.36	0.02	0.62	0.04						
STROKE.....	0.85	0.83	0.04	1.02	0.05						
HIP FRACTURE.....	0.56	0.60	0.03	0.93	0.05						
SEPSIS.....	0.37	0.31	0.02	1.20	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.36	0.25	0.02	1.46	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.36	0.02	0.91	0.06						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.02	1.14	0.11						
CAROTID ENDARTERECTOMY.....	0.18	0.13	0.01	1.00	0.12						
HIP REPLACEMENT/RECONSTRUCTION.....	0.49	0.45	0.03	1.09	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.02	0.95	0.07						
PROSTATECTOMY.....	0.65	0.77	0.04	0.84	0.04						
CHOLECYSTECTOMY.....	0.41	0.41	0.03	1.01	0.07						
HYSTERECTOMY.....	0.17	0.18	0.02	0.94	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

STOCKTON, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	9,750	10.9	10.0	0.4	15.7	14.9	0.4	19.4	18.8	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	334	28.4	26.6	2.8	31.1	29.7	2.6	32.9	33.1	2.6
CONGESTIVE HEART FAILURE.....	558	15.1	15.2	1.5	22.0	23.5	2.3	28.5	30.2	2.4
PNEUMONIA/INFLUENZA.....	498	16.5	15.9	3.3	24.1	21.9	2.8	28.7	26.4	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	174	10.3	6.5	3.4	16.1	11.9	4.0	19.5	16.7	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	123	1.6	1.9	1.3	4.9	4.2	1.9	6.5	6.8	2.3
STROKE.....	427	21.5	21.6	2.1	27.6	28.0	2.9	31.9	32.4	2.5
HIP FRACTURE.....	262	7.3	6.6	2.1	14.5	11.7	3.2	17.6	15.2	3.9
SEPSIS.....	155	26.5	25.7	4.1	32.9	33.6	5.0	36.8	39.7	5.4
PROCEDURES:										
ANGIOPLASTY.....	247	1.6	2.6	1.4	2.0	3.5	1.7	4.0	4.5	1.5
CORONARY ARTERY BYPASS GRAFT.....	154	1.9	4.8	2.7	5.2	6.7	2.3	7.8	8.0	2.2
INITIAL PACEMAKER INSERTION.....	68	4.4	3.8	2.5	5.9	7.0	3.2	8.8	9.8	3.9
CAROTID ENDARTERECTOMY.....	59	1.7	1.2	1.5	3.4	2.2	2.8	8.5	3.2	3.4
HIP REPLACEMENT/RECONSTRUCTION.....	175	2.9	2.8	1.4	5.7	5.4	1.7	6.9	7.3	2.2
OPEN REDUCTION OF HIP FRACTURE.....	133	7.5	6.3	3.3	17.3	11.6	4.3	21.1	15.2	5.1
PROSTATECTOMY.....	334	1.2	0.7	0.7	1.5	1.7	0.8	2.1	2.8	1.4
CHOLECYSTECTOMY.....	226	0.9	2.4	1.3	2.7	4.1	1.9	2.7	5.2	2.2
HYSTERECTOMY.....	110	1.8	0.6	1.4	2.7	1.3	1.7	3.6	1.8	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 58,882						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	25.53	27.07	0.21	0.94	0.01		4.54	4.39	0.09	1.03	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.87	0.88	0.04	0.99	0.04						
CONGESTIVE HEART FAILURE.....	1.62	1.57	0.05	1.04	0.03						
PNEUMONIA/INFLUENZA.....	1.24	1.26	0.05	0.99	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.52	0.03	1.04	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.39	0.03	0.83	0.06						
STROKE.....	0.86	0.88	0.04	0.98	0.04						
HIP FRACTURE.....	0.58	0.54	0.03	1.00	0.06						
SEPSIS.....	0.43	0.33	0.02	1.32	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.66	0.26	0.02	2.47	0.20						
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.38	0.03	1.17	0.08						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.02	0.88	0.09						
CAROTID ENDARTERECTOMY.....	0.13	0.14	0.02	1.00	0.12						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.41	0.03	0.98	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.02	1.09	0.09						
PROSTATECTOMY.....	0.71	0.81	0.04	0.89	0.04						
CHOLECYSTECTOMY.....	0.45	0.45	0.03	1.02	0.06						
HYSTERECTOMY.....	0.22	0.17	0.02	1.31	0.14						

** QUANTITIES COULD NOT BE ESTIMATED

VALLEJO-FAIRFIELD-NAPA, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,870	9.3	9.7	0.5	14.5	14.6	0.7	17.8	18.4	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	272	19.9	24.3	3.3	22.4	28.0	3.8	24.6	31.5	4.1
CONGESTIVE HEART FAILURE.....	344	13.7	15.1	3.1	21.8	23.2	3.7	29.4	29.9	2.6
PNEUMONIA/INFLUENZA.....	425	16.0	16.6	2.1	22.4	22.6	2.8	27.1	27.3	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	111	6.3	6.5	2.6	10.8	11.9	3.5	17.1	16.6	3.6
TRANSIENT CEREBRAL ISCHEMIA.....	76	1.3	1.6	1.7	2.6	3.5	2.8	3.9	5.6	3.7
STROKE.....	312	20.5	20.9	2.3	29.8	27.2	2.9	31.4	31.7	2.7
HIP FRACTURE.....	214	3.7	6.5	2.9	11.2	11.8	2.8	15.4	15.4	2.5
SEPSIS.....	106	24.5	29.0	5.7	30.2	37.2	6.7	37.7	43.8	7.6
PROCEDURES:										
ANGIOPLASTY.....	199	2.0	3.4	1.5	3.0	4.4	1.8	3.5	5.6	1.9
CORONARY ARTERY BYPASS GRAFT.....	184	2.7	5.4	2.1	2.7	8.3	2.7	3.8	10.1	3.1
INITIAL PACEMAKER INSERTION.....	87	8.0	3.7	4.2	12.6	7.3	5.4	13.8	10.7	7.2
CAROTID ENDARTERECTOMY.....	104	0.0	1.4	1.7	1.0	2.7	2.2	1.0	4.0	3.1
HIP REPLACEMENT/RECONSTRUCTION.....	134	1.5	2.2	1.5	4.5	4.2	1.9	6.7	5.8	2.2
OPEN REDUCTION OF HIP FRACTURE.....	109	1.8	6.3	4.8	11.9	11.7	5.6	14.7	15.5	3.6
PROSTATECTOMY.....	228	0.9	0.7	0.6	1.3	1.8	1.4	3.5	3.1	1.6
CHOLECYSTECTOMY.....	127	0.8	3.0	2.4	3.1	5.3	3.1	4.7	6.7	3.6
HYSTERECTOMY.....	70	0.0	0.6	1.1	1.4	1.3	1.4	1.4	2.0	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 48,724						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.32	26.10	0.23	0.97	0.01		4.56	4.43	0.09	1.03	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.82	0.04	1.02	0.05						
CONGESTIVE HEART FAILURE.....	1.23	1.54	0.06	0.80	0.03						
PNEUMONIA/INFLUENZA.....	1.27	1.07	0.05	1.19	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.44	0.03	1.06	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.21	0.36	0.03	0.57	0.04						
STROKE.....	0.83	0.86	0.04	0.96	0.05						
HIP FRACTURE.....	0.55	0.55	0.03	0.98	0.06						
SEPSIS.....	0.44	0.33	0.03	1.34	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.57	0.27	0.02	2.09	0.19						
CORONARY ARTERY BYPASS GRAFT.....	0.54	0.37	0.03	1.46	0.11						
INITIAL PACEMAKER INSERTION.....	0.23	0.19	0.02	1.27	0.14						
CAROTID ENDARTERECTOMY.....	0.17	0.13	0.02	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.41	0.03	0.86	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.27	0.02	0.97	0.09						
PROSTATECTOMY.....	0.61	0.78	0.04	0.79	0.04						
CHOLECYSTECTOMY.....	0.34	0.40	0.03	0.85	0.06						
HYSTERECTOMY.....	0.19	0.17	0.02	1.11	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

VISALIA-TULARE-PORTERVILLE, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,105	10.8	9.6	0.5	15.8	14.3	0.6	19.1	18.1	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	206	31.6	26.6	4.1	34.5	29.6	3.9	35.4	32.8	3.6
CONGESTIVE HEART FAILURE.....	353	21.5	16.2	3.3	30.0	24.5	3.3	36.0	31.6	3.0
PNEUMONIA/INFLUENZA.....	374	16.8	16.4	3.0	24.1	22.4	2.6	28.3	27.1	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	106	6.6	5.4	2.4	10.4	10.2	3.2	14.2	14.6	3.5
TRANSIENT CEREBRAL ISCHEMIA.....	77	2.6	2.0	1.7	5.2	4.6	2.5	6.5	7.4	3.2
STROKE.....	245	20.8	21.7	2.9	24.5	28.0	3.7	26.9	32.4	4.2
HIP FRACTURE.....	184	9.2	6.6	2.6	11.4	11.9	2.8	15.2	15.5	2.7
SEPSIS.....	75	21.3	25.2	6.3	30.7	34.1	5.9	38.7	40.9	5.8
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	1	0.0	6.6	*	0.0	15.6	*	0.0	24.0	*
INITIAL PACEMAKER INSERTION.....	44	2.3	4.3	*	4.5	7.7	*	11.4	10.7	*
CAROTID ENDARTERECTOMY.....	106	4.7	1.4	2.7	4.7	2.6	2.6	5.7	3.9	2.6
HIP REPLACEMENT/RECONSTRUCTION.....	108	3.7	3.5	1.9	5.6	6.5	2.7	7.4	8.8	3.8
OPEN REDUCTION OF HIP FRACTURE.....	96	10.4	5.7	3.8	12.5	10.8	3.7	15.6	14.3	3.7
PROSTATECTOMY.....	210	2.4	0.7	1.1	3.8	1.7	1.6	6.2	3.0	2.2
CHOLECYSTECTOMY.....	167	2.4	2.2	1.1	5.4	3.8	2.0	5.4	4.8	1.8
HYSTERECTOMY.....	67	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 38,269						MORTALITY				
	ADMISSION										
	D&S,%	PRED,%	SD,%	REL	SE		D&S,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.93	27.84	0.27	1.00	0.01		4.68	4.39	0.11	1.06	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.93	0.05	0.94	0.05						
CONGESTIVE HEART FAILURE.....	1.77	1.60	0.06	1.11	0.04						
PNEUMONIA/INFLUENZA.....	1.60	1.32	0.06	1.22	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.50	0.57	0.04	0.89	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.33	0.41	0.03	0.80	0.07						
STROKE.....	0.93	0.88	0.05	1.04	0.06						
HIP FRACTURE.....	0.61	0.55	0.04	1.10	0.08						
SEPSIS.....	0.37	0.31	0.03	1.13	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.25	0.03	0.64	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.38	0.03	0.91	0.08						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.02	1.05	0.13						
CAROTID ENDARTERECTOMY.....	0.38	0.14	0.02	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.41	0.03	0.95	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.27	0.03	1.08	0.11						
PROSTATECTOMY.....	0.76	0.80	0.05	0.96	0.06						
CHOLECYSTECTOMY.....	0.59	0.48	0.04	1.23	0.09						
HYSTERECTOMY.....	0.22	0.18	0.02	1.23	0.16						

** QUANTITIES COULD NOT BE ESTIMATED

YUBA CITY, CA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,915	11.5	8.8	1.3	15.3	13.2	0.9	18.4	16.7	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	74	29.7	29.0	7.5	33.8	31.7	6.5	35.1	34.8	6.3
CONGESTIVE HEART FAILURE.....	140	26.4	14.6	5.3	32.1	22.6	5.4	37.9	29.3	5.8
PNEUMONIA/INFLUENZA.....	210	16.7	14.1	2.8	20.0	19.6	2.8	24.3	24.1	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	59	6.8	8.8	4.4	13.6	14.8	4.8	23.7	19.9	6.2
TRANSIENT CEREBRAL ISCHEMIA.....	28	7.1	2.0	*	10.7	4.5	*	10.7	7.4	*
STROKE.....	116	26.7	20.8	7.3	33.6	26.6	8.2	37.9	31.0	8.3
HIP FRACTURE.....	72	12.5	6.2	4.9	18.1	11.1	6.3	19.4	14.5	5.7
SEPSIS.....	38	26.3	28.1	*	31.6	35.6	*	36.8	42.3	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	21	0.0	3.8	*	0.0	7.2	*	0.0	10.3	*
CARDIAC ENDARTERECTOMY.....	26	3.8	1.5	*	3.8	2.9	*	3.8	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	39	0.0	2.8	*	0.0	5.3	*	0.0	7.3	*
OPEN REDUCTION OF HIP FRACTURE.....	40	17.5	5.5	*	25.0	10.2	*	25.0	13.5	*
PROSTATECTOMY.....	164	1.2	0.8	1.1	2.4	2.0	1.9	3.0	3.3	2.7
CHOLECYSTECTOMY.....	66	6.1	2.6	3.3	6.1	4.3	3.4	7.6	5.5	3.4
HYSTERECTOMY.....	24	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 15,986						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.90	28.40	0.42	1.09	0.02		4.71	4.37	0.16	1.08	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.95	0.08	0.84	0.07						
CONGESTIVE HEART FAILURE.....	1.86	1.64	0.10	1.13	0.07						
PNEUMONIA/INFLUENZA.....	2.12	1.36	0.09	1.57	0.11						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.73	0.63	0.06	1.14	0.12						
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.44	0.05	0.72	0.09						
STROKE.....	0.97	0.88	0.07	1.10	0.09						
HIP FRACTURE.....	0.61	0.53	0.06	1.23	0.14						
SEPSIS.....	0.33	0.32	0.04	1.07	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.29	0.04	0.49	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.48	0.39	0.05	1.14	0.15						
INITIAL PACEMAKER INSERTION.....	0.18	0.18	0.03	0.95	0.18						
CARDIAC ENDARTERECTOMY.....	0.26	0.16	0.03	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.41	0.05	**	**						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.25	0.04	1.33	0.22						
PROSTATECTOMY.....	1.16	0.81	0.07	1.43	0.13						
CHOLECYSTECTOMY.....	0.56	0.50	0.06	1.11	0.13						
HYSTERECTOMY.....	0.17	0.18	0.03	1.04	0.21						

** QUANTITIES COULD NOT BE ESTIMATED

CA-(NONMSA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	26,506	10.2	9.6	0.2	14.9	14.3	0.3	18.2	18.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	930	25.9	26.7	1.8	30.0	30.1	1.6	31.8	33.6	2.0
CONGESTIVE HEART FAILURE.....	1,301	17.1	15.3	1.5	25.1	23.5	1.5	31.1	30.3	1.3
PNEUMONIA/INFLUENZA.....	1,674	13.4	14.7	1.1	18.7	20.2	1.4	21.7	24.5	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	502	8.8	6.9	1.6	14.9	12.2	2.0	18.3	17.0	1.8
TRANSIENT CEREBRAL ISCHEMIA.....	363	2.8	1.9	0.9	5.5	4.3	1.3	6.3	6.9	1.4
STROKE.....	1,107	22.0	20.3	2.0	28.5	26.7	1.8	32.6	31.1	1.9
HIP FRACTURE.....	778	5.4	6.4	1.4	10.4	11.4	1.5	14.7	14.9	1.3
SEPSIS.....	360	28.1	28.2	2.5	34.2	35.9	2.7	37.5	42.2	3.4
PROCEDURES:										
ANGIOPLASTY.....	23	0.0	3.1	*	0.0	4.1	*	0.0	5.3	*
CORONARY ARTERY BYPASS GRAFT.....	81	4.9	5.3	3.9	8.6	7.2	3.6	8.6	8.6	3.9
INITIAL PACEMAKER INSERTION.....	204	3.9	3.6	1.9	5.9	6.4	2.2	7.8	9.1	2.8
CAROTID ENDARTERECTOMY.....	78	1.3	1.5	1.4	1.3	2.9	2.3	1.3	4.4	3.5
HIP REPLACEMENT/RECONSTRUCTION.....	593	4.6	3.4	1.3	7.6	6.5	1.5	10.3	8.8	1.6
OPEN REDUCTION OF HIP FRACTURE.....	344	3.8	5.9	2.0	8.7	11.0	2.3	13.1	14.5	2.1
PROSTATECTOMY.....	936	0.2	0.8	0.4	1.1	2.0	0.6	2.0	3.4	0.9
CHOLECYSTECTOMY.....	599	2.2	2.7	0.7	3.3	4.7	1.2	4.8	6.1	1.4
HYSTERECTOMY.....	249	0.0	0.6	0.7	0.8	1.2	0.8	1.6	1.8	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 196,046						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.80	27.15	0.12	0.95	0.00		4.24	4.33	0.05	0.98	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.87	0.92	0.02	0.93	0.02						
CONGESTIVE HEART FAILURE.....	1.29	1.56	0.03	0.82	0.01						
PNEUMONIA/INFLUENZA.....	1.40	1.26	0.02	1.11	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.55	0.55	0.02	0.98	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.41	0.01	0.73	0.03						
STROKE.....	0.84	0.86	0.02	0.97	0.02						
HIP FRACTURE.....	0.52	0.53	0.02	0.98	0.03						
SEPSIS.....	0.31	0.31	0.01	0.99	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.31	0.29	0.01	1.02	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.41	0.01	1.04	0.04						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	1.00	0.06						
CAROTID ENDARTERECTOMY.....	0.17	0.15	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.42	0.01	1.09	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.26	0.01	0.91	0.04						
PROSTATECTOMY.....	0.81	0.86	0.02	0.94	0.02						
CHOLECYSTECTOMY.....	0.45	0.48	0.02	0.95	0.03						
HYSTERECTOMY.....	0.19	0.18	0.01	1.04	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

BOULDER-LONGMONT, CO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,580	8.3	8.3	0.7	13.0	12.8	1.0	15.9	16.3	1.1
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	77	26.0	25.6	5.2	27.3	28.6	5.3	29.9	31.8	5.6
CONGESTIVE HEART FAILURE.....	105	15.2	14.7	3.5	25.7	22.1	5.1	30.5	28.6	5.3
PNEUMONIA/INFLUENZA.....	111	18.0	14.4	3.9	24.3	20.0	4.8	26.1	24.4	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	41	7.3	8.6	*	9.8	14.0	*	12.2	18.5	*
TRANSIENT CEREBRAL ISCHEMIA.....	26	0.0	2.1	*	0.0	4.7	*	0.0	7.5	*
STROKE.....	101	18.8	18.8	4.0	26.7	25.1	4.5	29.7	29.4	4.5
HIP FRACTURE.....	123	4.1	6.8	3.5	14.6	12.3	3.7	18.7	16.1	4.8
SEPSIS.....	18	38.9	26.8	*	50.0	36.6	*	72.2	43.1	*
PROCEDURE:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	22	0.0	3.8	*	4.5	6.9	*	4.5	9.7	*
CAROTID ENOARTERECTOMY.....	5	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	74	4.1	3.0	4.9	8.1	5.8	4.0	9.5	7.9	3.7
OPEN REDUCTION OF HIP FRACTURE.....	69	2.9	6.5	4.1	14.5	12.4	4.3	20.3	16.5	6.1
PROSTATECTOMY.....	133	1.5	1.0	1.0	2.3	2.5	1.4	3.8	4.3	2.0
CHOLECYSTECTOMY.....	68	4.4	2.7	3.9	7.4	4.6	4.3	8.8	5.9	4.7
HYSTERECTOMY.....	28	0.0	2.1	*	0.0	4.2	*	3.6	5.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 19,325						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.59	25.45	0.36	0.89	0.01		4.32	4.70	0.16	0.92	0.03
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.77	0.06	1.14	0.09						
CONGESTIVE HEART FAILURE.....	1.04	1.45	0.09	0.72	0.04						
PNEUMONIA/INFLUENZA.....	0.88	1.09	0.07	0.91	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.40	0.05	1.12	0.13						
TRANSIENT CEREBRAL ISCHEMIA.....	0.23	0.36	0.04	0.65	0.08						
STROKE.....	0.75	0.81	0.06	0.92	0.07						
HIP FRACTURE.....	0.82	0.65	0.06	1.26	0.11						
SEPSIS.....	0.14	0.31	0.04	0.46	0.06						
PROCEDURE:											
ANGIOPLASTY.....	0.17	0.24	0.03	0.70	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.23	0.33	0.04	0.69	0.09						
INITIAL PACEMAKER INSERTION.....	0.15	0.18	0.03	0.82	0.14						
CAROTID ENOARTERECTOMY.....	0.07	0.11	0.02	1.00	0.22						
HIP REPLACEMENT/RECONSTRUCTION.....	0.57	0.45	0.05	1.26	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.46	0.31	0.04	1.46	0.19						
PROSTATECTOMY.....	0.90	0.70	0.06	1.29	0.11						
CHOLECYSTECTOMY.....	0.48	0.37	0.04	1.29	0.15						
HYSTERECTOMY.....	0.18	0.17	0.03	1.02	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

COLORADO SPRINGS, CO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,939	8.2	7.5	0.5	12.5	11.6	0.7	15.4	14.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	152	17.1	22.5	5.0	21.1	25.4	4.9	25.0	28.6	4.4
CONGESTIVE HEART FAILURE.....	182	12.6	13.8	3.3	20.9	21.4	3.2	28.6	27.9	3.5
PNEUMONIA/INFLUENZA.....	218	15.1	13.8	2.8	18.8	19.0	2.7	22.9	23.1	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	107	14.0	7.9	5.8	18.7	13.7	6.4	24.3	18.7	8.1
TRANSIENT CEREBRAL ISCHEMIA.....	66	1.5	1.6	3.5	4.5	3.5	4.0	7.6	5.6	4.0
STROKE.....	175	24.0	25.3	3.6	28.6	31.3	4.3	33.1	35.7	4.1
HIP FRACTURE.....	212	7.5	5.9	2.2	12.7	10.8	3.3	15.1	14.3	2.9
SEPSIS.....	50	20.0	24.7	*	34.0	32.2	*	34.0	38.8	*
PROCEDURES:										
ANGIOPLASTY.....	101	3.0	3.8	2.0	3.0	4.9	2.5	4.0	6.0	2.7
CORONARY ARTERY BYPASS GRAFT.....	101	5.0	5.1	2.3	9.9	7.5	3.4	9.9	9.1	3.7
INITIAL PACEMAKER INSERTION.....	41	0.0	2.0	*	7.3	4.2	*	7.3	6.4	*
CAROTID ENDOARTERECTOMY.....	20	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	156	1.3	2.4	2.2	3.2	4.6	2.7	5.8	6.4	2.2
OPEN REDUCTION OF HIP FRACTURE.....	98	9.2	5.8	4.2	17.3	11.1	6.2	18.4	14.8	5.8
PROSTATECTOMY.....	217	0.5	0.8	0.7	1.8	2.0	1.0	2.8	3.3	1.5
CHOLECYSTECTOMY.....	120	4.2	3.6	1.8	6.7	6.4	2.3	6.7	8.3	2.9
HYSTERECTOMY.....	71	0.0	0.6	1.1	0.0	1.3	1.8	1.4	2.0	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 34,794						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.06	27.29	0.28	0.81	0.01		4.15	4.42	0.11	0.94	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.54	0.86	0.05	0.63	0.04						
CONGESTIVE HEART FAILURE.....	0.91	1.61	0.07	0.57	0.02						
PNEUMONIA/INFLUENZA.....	0.84	1.14	0.06	0.74	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.51	0.04	0.94	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.24	0.39	0.03	0.60	0.05						
STROKE.....	0.54	0.87	0.05	0.62	0.04						
HIP FRACTURE.....	0.64	0.56	0.04	1.16	0.08						
SEPSIS.....	0.21	0.32	0.03	0.66	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.36	0.25	0.03	1.41	0.15						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.35	0.03	0.84	0.07						
INITIAL PACEMAKER INSERTION.....	0.10	0.19	0.02	0.56	0.07						
CAROTID ENDOARTERECTOMY.....	0.09	0.14	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.40	0.03	1.18	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.27	0.03	1.11	0.11						
PROSTATECTOMY.....	0.62	0.72	0.05	0.85	0.05						
CHOLECYSTECTOMY.....	0.39	0.44	0.04	0.89	0.07						
HYSTERECTOMY.....	0.20	0.17	0.02	1.16	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

DENVER, CO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	29,668	8.1	8.0	0.2	12.8	12.3	0.4	15.9	15.8	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	872	21.0	24.3	2.9	25.3	27.5	3.0	27.5	30.9	3.1
CONGESTIVE HEART FAILURE.....	1,151	12.2	14.2	1.5	21.5	22.2	2.1	28.2	28.8	1.4
PNEUMONIA/INFLUENZA.....	1,184	15.1	15.6	1.2	21.3	21.5	1.4	26.3	26.0	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	497	11.1	7.6	2.2	15.9	13.1	2.2	21.5	17.9	2.7
TRANSIENT CEREBRAL ISCHEMIA.....	302	2.3	1.9	1.5	5.0	4.3	1.9	7.3	6.9	1.7
STROKE.....	787	19.6	20.2	1.6	25.8	26.7	1.8	30.0	31.2	2.0
HIP FRACTURE.....	857	7.7	6.5	1.2	12.1	11.7	1.3	14.8	15.2	1.3
SEPSIS.....	232	28.0	24.6	4.6	34.1	32.2	4.2	38.4	38.2	3.6
PROCEDURES:										
ANGIOPLASTY.....	284	4.2	4.1	1.2	5.3	5.2	1.3	6.3	6.4	1.5
CORONARY ARTERY BYPASS GRAFT.....	376	10.4	6.1	2.4	13.3	8.9	2.6	14.4	10.6	2.5
INITIAL PACEMAKER INSERTION.....	188	2.1	3.0	1.9	3.7	5.9	3.1	6.4	8.8	4.1
CAROTID ENDOARTERECTOMY.....	96	1.0	1.4	1.6	2.1	2.8	2.1	2.1	4.1	2.6
HIP REPLACEMENT/RECONSTRUCTION.....	713	2.8	2.9	0.7	5.0	5.4	1.1	6.5	7.4	1.4
OPEN REDUCTION OF HIP FRACTURE.....	356	9.6	5.9	2.3	14.3	11.0	2.8	17.4	14.5	2.6
PROSTATECTOMY.....	1,128	0.7	1.0	0.4	2.0	2.3	0.5	3.6	3.8	0.6
CHOLECYSTECTOMY.....	578	5.2	3.5	1.1	7.8	6.0	1.5	10.0	7.7	1.7
HYSTERECTOMY.....	255	0.8	0.9	0.6	0.8	1.9	1.3	2.0	2.9	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 136,111						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.51	26.76	0.14	0.88	0.00		4.38	4.57	0.06	0.96	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.68	0.83	0.02	0.82	0.02						
CONGESTIVE HEART FAILURE.....	1.15	1.58	0.03	0.73	0.02						
PNEUMONIA/INFLUENZA.....	0.99	1.15	0.03	0.87	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.49	0.47	0.02	1.04	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.21	0.39	0.02	0.54	0.02						
STROKE.....	0.63	0.87	0.02	0.73	0.02						
HIP FRACTURE.....	0.63	0.59	0.02	1.06	0.04						
SEPSIS.....	0.22	0.33	0.02	0.68	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.24	0.01	0.76	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.20	0.34	0.02	0.59	0.03						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.01	0.68	0.04						
CAROTID ENDOARTERECTOMY.....	0.06	0.12	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.42	0.02	1.14	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.29	0.01	0.92	0.05						
PROSTATECTOMY.....	0.74	0.72	0.02	1.03	0.03						
CHOLECYSTECTOMY.....	0.40	0.41	0.02	0.98	0.04						
HYSTERECTOMY.....	0.15	0.17	0.01	0.88	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

FORT COLLINS-LOVELAND, CO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,167	7.9	7.5	0.6	11.9	11.4	0.7	14.7	14.6	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	95	26.3	23.7	4.6	28.4	26.8	4.7	28.4	29.9	4.8
CONGESTIVE HEART FAILURE.....	94	11.7	14.0	4.1	19.1	21.9	5.0	25.5	28.5	5.8
PNEUMONIA/INFLUENZA.....	141	14.2	13.7	2.9	19.9	18.9	4.2	23.4	23.0	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	49	8.2	7.4	*	20.4	12.8	*	22.4	17.6	*
TRANSIENT CEREBRAL ISCHEMIA.....	49	0.0	1.9	*	0.0	4.2	*	4.1	6.7	*
STROKE.....	93	24.7	19.7	4.7	25.8	25.7	4.6	26.9	30.1	5.0
HIP FRACTURE.....	94	3.2	6.4	3.6	5.3	11.6	5.2	8.5	15.2	5.5
SEPSIS.....	49	24.5	26.0	*	28.6	32.8	*	30.6	39.0	*
PROCEDURES:										
ANGIOPLASTY.....	39	7.7	4.9	*	10.3	6.2	*	12.8	7.8	*
CORONARY ARTERY BYPASS GRAFT.....	48	4.2	5.2	*	4.2	7.6	*	4.2	9.2	*
INITIAL PACEMAKER INSERTION.....	14	0.0	3.5	*	0.0	6.8	*	7.1	10.2	*
CAROTID ENDOARTERECTOMY.....	11	0.0	1.4	*	0.0	2.4	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	109	1.8	2.3	1.7	2.8	4.3	3.1	2.8	5.9	4.2
OPEN REDUCTION OF HIP FRACTURE.....	61	3.3	5.4	4.6	4.9	10.3	6.4	9.8	13.7	6.0
PROSTATECTOMY.....	176	0.0	0.6	0.8	1.7	1.5	1.0	3.4	2.5	1.5
CHOLECYSTECTOMY.....	75	0.0	3.6	3.8	1.3	6.6	5.0	2.7	8.8	5.2
HYSTERECTOMY.....	40	0.0	0.9	*	0.0	1.6	*	2.5	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 19,587					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.86	26.22	0.37	0.87	0.01	3.96	4.54	0.15	0.87	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.67	0.86	0.07	0.76	0.06					
CONGESTIVE HEART FAILURE.....	0.86	1.52	0.09	0.58	0.03					
PNEUMONIA/INFLUENZA.....	1.06	1.16	0.08	0.92	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.45	0.05	1.02	0.11					
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.38	0.04	0.64	0.08					
STROKE.....	0.63	0.84	0.07	0.76	0.06					
HIP FRACTURE.....	0.66	0.61	0.06	1.09	0.10					
SEPSIS.....	0.36	0.31	0.04	1.22	0.16					
PROCEDURES:										
ANGIOPLASTY.....	0.22	0.25	0.04	1.07	0.16					
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.37	0.04	0.79	0.10					
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.03	0.56	0.10					
CAROTID ENDOARTERECTOMY.....	0.07	0.12	0.03	1.00	0.23					
HIP REPLACEMENT/RECONSTRUCTION.....	0.68	0.45	0.05	1.57	0.17					
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.29	0.04	1.18	0.16					
PROSTATECTOMY.....	0.97	0.79	0.06	1.24	0.10					
CHOLECYSTECTOMY.....	0.44	0.43	0.05	1.11	0.13					
HYSTERECTOMY.....	0.25	0.18	0.03	1.33	0.25					

** QUANTITIES COULD NOT BE ESTIMATED

GREELEY, CO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,499	8.1	8.6	1.0	12.7	13.1	1.2	15.8	16.6	1.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	88	19.3	23.5	5.3	23.9	26.8	6.2	25.0	30.1	6.1
CONGESTIVE HEART FAILURE.....	88	14.8	15.3	5.4	27.3	24.1	7.2	33.0	31.3	6.2
PNEUMONIA/INFLUENZA.....	112	16.1	15.7	3.7	20.5	21.5	4.0	26.8	26.0	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	27	7.4	5.7	*	11.1	10.2	*	11.1	14.3	*
TRANSIENT CEREBRAL ISCHEMIA.....	29	13.8	1.8	*	17.2	4.0	*	20.7	6.3	*
STROKE.....	80	18.8	19.5	4.6	22.5	26.5	6.2	25.0	31.0	6.7
HIP FRACTURE.....	76	5.3	5.9	2.8	9.2	10.6	3.9	11.8	13.9	4.9
SEPSIS.....	24	33.3	29.3	*	50.0	38.7	*	50.0	46.0	*
PROCEDURES:										
ANGIOPLASTY.....	30	3.3	4.3	*	6.7	5.4	*	6.7	6.8	*
CORONARY ARTERY BYPASS GRAFT.....	45	4.4	5.0	*	6.7	7.2	*	8.9	8.6	*
INITIAL PACEMAKER INSERTION.....	7	0.0	2.8	*	0.0	5.5	*	0.0	8.0	*
CAROTID ENDARTERECTOMY.....	15	0.0	1.4	*	0.0	2.5	*	0.0	3.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	71	2.8	2.6	2.4	2.8	5.0	3.7	2.8	6.9	4.8
OPEN REDUCTION OF HIP FRACTURE.....	34	5.9	5.8	*	11.8	11.2	*	14.7	15.0	*
PROSTATECTOMY.....	102	0.0	0.8	1.1	1.0	1.9	1.8	2.0	3.1	2.4
CHOLECYSTECTOMY.....	70	0.0	3.2	3.9	1.4	6.0	5.5	4.3	7.9	5.1
HYSTERECTOMY.....	19	0.0	1.3	*	0.0	2.8	*	0.0	4.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 14,435					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.33	27.43	0.44	0.92	0.01	4.36	4.61	0.18	0.95	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.87	0.90	0.08	1.03	0.09					
CONGESTIVE HEART FAILURE.....	1.06	1.58	0.11	0.66	0.04					
PNEUMONIA/INFLUENZA.....	1.30	1.31	0.10	1.00	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.47	0.50	0.06	1.00	0.13					
TRANSIENT CEREBRAL ISCHEMIA.....	0.30	0.39	0.05	0.75	0.11					
STROKE.....	0.70	0.86	0.08	0.87	0.08					
HIP FRACTURE.....	0.62	0.60	0.06	1.01	0.12					
SEPSIS.....	0.30	0.30	0.05	0.96	0.16					
PROCEDURES:										
ANGIOPLASTY.....	0.26	0.24	0.04	0.96	0.19					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.36	0.05	1.09	0.17					
INITIAL PACEMAKER INSERTION.....	0.09	0.19	0.04	0.44	0.10					
CAROTID ENDARTERECTOMY.....	0.12	0.12	0.03	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.55	0.44	0.06	1.30	0.18					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.29	0.04	1.03	0.18					
PROSTATECTOMY.....	0.77	0.79	0.07	0.95	0.09					
CHOLECYSTECTOMY.....	0.61	0.46	0.06	1.36	0.18					
HYSTERECTOMY.....	0.16	0.18	0.03	0.94	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

PUEBLO, CO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,085	9.2	7.7	0.5	14.2	11.9	0.8	17.6	15.3	0.8
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	109	27.5	23.8	4.5	29.4	26.8	4.4	29.4	30.1	4.4
CONGESTIVE HEART FAILURE.....	128	18.8	13.7	4.8	28.1	22.0	5.2	31.3	28.6	4.3
PNEUMONIA/INFLUENZA.....	150	16.0	17.4	3.3	24.7	23.9	3.5	31.3	28.8	5.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	54	5.6	6.7	4.4	11.1	11.4	4.3	13.0	15.6	5.4
TRANSIENT CEREBRAL ISCHEMIA.....	70	0.0	1.5	2.0	5.7	3.4	3.4	5.7	5.6	3.0
STROKE.....	145	15.2	18.4	3.7	24.8	25.3	3.6	32.4	29.7	4.2
HIP FRACTURE.....	141	6.4	5.9	3.4	13.5	10.8	3.5	14.9	14.2	3.0
SEPSIS.....	41	19.5	21.6	*	24.4	28.4	*	29.3	33.9	*
PROCEQURES:										
ANGIOPLASTY.....	44	0.0	3.6	*	0.0	4.5	*	2.3	5.5	*
CORONARY ARTERY BYPASS GRAFT.....	61	3.3	4.3	2.8	6.6	6.1	3.2	6.6	7.3	3.4
INITIAL PACEMAKER INSERTION.....	41	0.0	3.6	*	2.4	7.1	*	9.8	10.1	*
CAROTID ENOARTERECTOMY.....	16	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	123	1.6	2.9	2.3	3.3	5.4	3.6	4.9	7.3	4.3
OPEN REDUCTION OF HIP FRACTURE.....	56	3.6	5.1	3.2	12.5	9.6	6.5	12.5	12.8	7.2
PROSTATECTOMY.....	176	0.6	0.6	1.2	2.3	1.6	1.4	3.4	2.7	1.6
CHOLECYSTECTOMY.....	112	5.4	2.9	2.4	8.9	5.4	3.5	10.7	7.4	4.5
HYSTERECTOMY.....	33	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 21,120									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.77	28.67	0.37	0.79	0.01	4.20	4.65	0.15	0.90	0.03
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.59	0.94	0.07	0.62	0.04					
CONGESTIVE HEART FAILURE.....	0.93	1.69	0.09	0.54	0.03					
PNEUMONIA/INFLUENZA.....	0.89	1.43	0.08	0.61	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.32	0.60	0.05	0.54	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.44	0.05	0.90	0.10					
STROKE.....	0.72	0.89	0.06	0.79	0.06					
HIP FRACTURE.....	0.63	0.59	0.05	1.00	0.09					
SEPSIS.....	0.27	0.33	0.04	0.84	0.10					
PROCEQURES:										
ANGIOPLASTY.....	0.25	0.27	0.04	0.90	0.12					
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.37	0.04	0.87	0.10					
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.03	0.79	0.13					
CAROTID ENOARTERECTOMY.....	0.06	0.14	0.03	1.00	0.19					
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.43	0.04	1.21	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.28	0.04	0.86	0.12					
PROSTATECTOMY.....	0.75	0.77	0.06	0.96	0.08					
CHOLECYSTECTOMY.....	0.54	0.49	0.05	1.14	0.11					
HYSTERECTOMY.....	0.12	0.18	0.03	0.67	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

CO-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	11,975	8.8	8.6	0.3	12.9	12.9	0.4	16.1	16.4	0.4
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	451	25.3	24.9	2.1	26.2	28.2	2.4	28.2	31.6	2.5
CONGESTIVE HEART FAILURE.....	455	16.0	14.6	2.1	23.1	22.5	2.0	29.9	29.0	2.3
PNEUMONIA/INFLUENZA.....	795	13.2	15.2	1.8	20.4	21.0	1.5	23.8	25.5	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	262	8.0	7.2	1.7	11.8	12.6	2.3	19.8	17.4	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	135	2.2	1.7	1.3	6.7	3.9	2.0	11.1	6.2	3.1
STROKE.....	373	22.5	19.9	3.4	30.3	26.6	3.4	33.0	31.2	3.1
HIP FRACTURE.....	349	5.2	5.6	1.4	10.9	10.3	1.9	14.3	13.6	2.0
SEPSIS.....	170	18.2	27.3	4.8	23.5	34.1	5.4	29.4	40.4	5.9
PROCEDURE:										
ANGIOPLASTY.....	6	0.0	3.8	*	0.0	4.5	*	0.0	5.4	*
CORONARY ARTERY BYPASS GRAFT.....	29	3.4	4.3	*	3.4	6.4	*	3.4	7.7	*
INITIAL PACEMAKER INSERTION.....	45	2.2	3.8	*	4.4	7.5	*	8.9	11.0	*
CAROTID ENDOARTERECTOMY.....	29	3.4	1.5	*	3.4	2.8	*	6.9	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	226	3.1	2.6	1.8	4.9	5.1	1.9	7.1	7.1	1.7
OPEN REDUCTION OF HIP FRACTURE.....	184	6.5	5.2	2.2	12.5	9.9	2.9	16.3	13.2	3.3
PROSTATECTOMY.....	385	0.0	0.9	0.9	1.6	2.1	0.9	3.1	3.5	1.1
CHOLECYSTECTOMY.....	286	5.6	3.1	1.9	7.7	5.5	2.2	9.8	7.2	2.5
HYSTERECTOMY.....	136	2.2	0.7	1.3	2.2	1.5	1.2	2.2	2.2	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 86,842									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SO,%	REL	SE	OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	25.49	27.83	0.18	0.92	0.01	4.27	4.56	0.07	0.93	0.01
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.95	0.03	0.99	0.04					
CONGESTIVE HEART FAILURE.....	1.01	1.61	0.04	0.63	0.02					
PNEUMONIA/INFLUENZA.....	1.45	1.37	0.04	1.07	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.57	0.52	0.03	1.07	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.24	0.41	0.02	1.00	0.06					
STROKE.....	0.73	0.88	0.03	0.84	0.03					
HIP FRACTURE.....	0.62	0.59	0.03	1.03	0.05					
SEPSIS.....	0.32	0.30	0.02	1.15	0.08					
PROCEDURE:										
ANGIOPLASTY.....	0.16	0.25	0.02	0.62	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.39	0.02	0.73	0.05					
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.01	0.82	0.08					
CAROTID ENDOARTERECTOMY.....	0.07	0.13	0.01	1.00	0.12					
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.45	0.02	1.12	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.28	0.02	1.09	0.08					
PROSTATECTOMY.....	0.85	0.85	0.03	0.97	0.04					
CHOLECYSTECTOMY.....	0.52	0.48	0.02	1.03	0.06					
HYSTERECTOMY.....	0.23	0.18	0.01	1.24	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

BRIDGEPORT-STAMFORD-NORWALK-DANBURY, CT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	18,696	9.0	9.7	0.2	14.3	14.6	0.3	18.1	18.5	0.3
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	659	24.0	27.1	2.1	28.5	30.6	2.0	32.6	34.0	2.1
CONGESTIVE HEART FAILURE.....	974	13.3	16.1	1.7	24.7	24.5	1.6	31.6	31.4	1.5
PNEUMONIA/INFLUENZA.....	723	17.4	17.5	1.6	25.0	23.6	2.0	29.2	28.4	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	187	6.4	7.4	2.1	11.8	12.9	2.7	17.1	17.8	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	267	0.7	1.8	1.2	3.0	4.1	1.7	6.4	6.5	1.7
STROKE.....	739	19.4	20.9	2.9	25.3	27.6	2.9	29.2	32.0	3.1
HIP FRACTURE.....	566	4.8	7.2	1.5	9.7	12.8	1.9	14.7	16.6	1.7
SEPSIS.....	204	22.5	26.6	4.2	29.9	34.1	4.4	34.3	40.1	5.3
PROCEQURES:										
ANGIOPLASTY.....	183	2.7	3.5	2.1	4.4	4.7	1.8	6.6	6.0	1.9
CORONARY ARTERY BYPASS GRAFT.....	134	8.2	5.6	2.9	11.2	8.5	3.6	12.7	10.5	4.0
INITIAL PACEMAKER INSERTION.....	185	3.2	3.4	1.4	7.0	6.7	2.1	10.8	9.9	3.1
CAROTID ENDARTERECTOMY.....	49	0.0	1.2	*	2.0	2.1	*	4.1	3.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	363	2.5	3.9	1.9	5.0	7.4	2.8	8.5	10.0	2.7
OPEN REDUCTION OF HIP FRACTURE.....	264	3.0	6.6	2.1	8.7	12.3	2.7	13.6	16.0	2.5
PROSTATECTOMY.....	577	0.5	1.2	0.6	1.9	2.8	1.1	3.1	4.6	1.3
CHOLECYSTECTOMY.....	328	3.4	3.3	1.3	6.1	5.8	1.3	8.5	7.5	1.6
HYSTERECTOMY.....	179	0.0	0.7	0.9	0.0	1.4	1.5	0.0	2.0	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 117,475						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	23.37	24.65	0.14	0.95	0.01		4.51	4.51	0.06	**	**
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.81	0.74	0.02	1.09	0.04						
CONGESTIVE HEART FAILURE.....	1.52	1.43	0.03	1.07	0.03						
PNEUMONIA/INFLUENZA.....	0.84	0.91	0.03	0.92	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.27	0.33	0.02	0.80	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.30	0.36	0.02	0.83	0.04						
STROKE.....	0.79	0.85	0.03	0.93	0.03						
HIP FRACTURE.....	0.60	0.62	0.02	0.97	0.04						
SEPSIS.....	0.26	0.34	0.02	0.95	0.05						
PROCEQURES:											
ANGIOPLASTY.....	0.24	0.25	0.01	0.96	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.35	0.02	0.84	0.04						
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.01	1.09	0.07						
CAROTID ENDARTERECTOMY.....	0.06	0.10	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.44	0.02	0.87	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.31	0.02	0.97	0.05						
PROSTATECTOMY.....	0.62	0.74	0.02	0.83	0.03						
CHOLECYSTECTOMY.....	0.32	0.33	0.02	0.96	0.05						
HYSTERECTOMY.....	0.18	0.16	0.01	1.11	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

HARTFORD-MIDDLETOWN-NEW BRITAIN-BRISTOL, CT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	30,547	9.0	9.6	0.2	14.3	14.7	0.3	17.8	18.6	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,086	22.7	26.0	2.3	27.3	29.5	2.5	29.8	32.9	2.3
CONGESTIVE HEART FAILURE.....	1,606	14.3	16.5	1.3	23.0	25.3	1.6	28.5	32.4	1.6
PNEUMONIA/INFLUENZA.....	1,349	16.7	18.4	2.1	23.8	24.9	2.3	28.5	29.8	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	288	8.0	8.0	1.7	16.7	13.8	3.5	21.5	18.9	3.3
TRANSIENT CEREBRAL ISCHEMIA.....	357	1.1	2.0	1.0	2.8	4.3	1.7	6.4	6.9	1.4
STROKE.....	1,091	21.4	20.9	1.6	28.5	27.8	1.5	31.8	32.3	1.6
HIP FRACTURE.....	878	4.7	7.2	1.4	10.0	12.8	1.8	13.9	16.5	1.8
SEPSIS.....	276	28.3	28.4	3.2	38.4	36.5	3.8	44.6	42.8	3.3
PROCEDURES:										
ANGIOPLASTY.....	125	0.8	3.4	1.9	2.4	4.4	2.1	3.2	5.6	2.3
CORONARY ARTERY BYPASS GRAFT.....	423	6.9	6.2	2.4	9.9	9.0	2.1	11.1	10.8	1.6
INITIAL PACEMAKER INSERTION.....	236	2.1	4.1	2.1	4.7	7.5	2.9	7.2	10.6	3.2
CAROTID ENDARTERECTOMY.....	106	3.8	1.5	2.3	3.8	2.7	2.4	3.8	4.0	2.9
HIP REPLACEMENT/RECONSTRUCTION.....	624	1.6	3.4	1.1	4.8	6.5	1.3	7.1	8.7	1.4
OPEN REDUCTION OF HIP FRACTURE.....	444	4.3	6.5	1.7	9.0	12.0	2.6	12.6	15.6	2.5
PROSTATECTOMY.....	1,047	1.0	1.3	0.4	2.7	3.0	0.7	4.2	5.0	1.2
CHOLECYSTECTOMY.....	553	2.0	3.0	1.3	4.0	5.2	1.7	5.1	6.6	1.8
HYSTERECTOMY.....	309	1.3	0.8	0.6	1.3	1.7	1.1	2.6	2.5	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 191,515					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.01	26.48	0.12	0.91	0.00	4.45	4.58	0.05	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.87	0.84	0.02	1.04	0.03					
CONGESTIVE HEART FAILURE.....	1.51	1.56	0.03	0.96	0.02					
PNEUMONIA/INFLUENZA.....	1.05	1.10	0.02	0.95	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.28	0.44	0.01	0.65	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.38	0.01	0.67	0.02					
STROKE.....	0.78	0.88	0.02	0.89	0.02					
HIP FRACTURE.....	0.57	0.61	0.02	0.94	0.03					
SEPSIS.....	0.23	0.32	0.01	0.72	0.03					
PROCEDURES:										
ANGIOPLASTY.....	0.18	0.24	0.01	0.81	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.35	0.01	1.12	0.04					
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.95	0.05					
CAROTID ENDARTERECTOMY.....	0.08	0.11	0.01	1.00	0.07					
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.44	0.01	0.91	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.30	0.01	0.98	0.04					
PROSTATECTOMY.....	0.68	0.75	0.02	0.90	0.02					
CHOLECYSTECTOMY.....	0.36	0.41	0.01	0.88	0.03					
HYSTERECTOMY.....	0.18	0.17	0.01	1.05	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

NEW HAVEN-WEST HAVEN-WATERBURY-MERIDEN, C
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	21,069	9.1	9.6	0.2	14.2	14.5	0.3	17.7	18.4	0.3
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	817	24.2	25.6	1.6	29.6	29.1	1.7	31.9	32.6	1.7
CONGESTIVE HEART FAILURE.....	993	14.9	15.7	1.5	23.3	23.9	1.8	29.3	30.7	2.5
PNEUMONIA/INFLUENZA.....	808	19.3	18.2	2.5	27.0	24.5	2.9	30.4	29.4	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	230	9.6	8.0	2.1	14.8	13.8	2.7	17.0	18.9	3.3
TRANSIENT CEREBRAL ISCHEMIA.....	264	0.4	1.7	1.2	1.9	3.7	1.8	4.5	5.9	2.1
STROKE.....	756	18.7	20.3	2.5	24.2	26.9	3.2	29.8	31.4	2.9
HIP FRACTURE.....	612	6.5	6.7	1.1	10.1	12.0	2.4	14.7	15.6	1.9
SEPSIS.....	196	26.0	25.2	3.1	36.7	33.0	3.8	38.8	39.0	4.2
PROCEQURES:										
ANGIOPLASTY.....	263	3.8	3.2	1.2	4.6	4.4	1.5	6.5	5.6	1.8
CORONARY ARTERY BYPASS GRAFT.....	371	5.7	6.1	1.6	7.8	8.9	2.3	9.7	10.7	2.2
INITIAL PACEMAKER INSERTION.....	182	2.2	4.3	2.3	7.1	7.8	2.5	7.7	10.8	3.3
CAROTID ENOARTERECTOMY.....	94	2.1	1.3	1.6	2.1	2.5	1.7	2.1	3.7	2.4
HIP REPLACEMENT/RECONSTRUCTION.....	373	3.2	2.9	0.9	5.1	5.6	1.3	7.5	7.7	1.5
OPEN REDUCTION OF HIP FRACTURE.....	375	5.9	6.2	1.5	8.8	11.6	3.0	13.6	15.2	2.6
PROSTATECTOMY.....	648	0.5	1.1	0.7	2.3	2.7	0.7	4.3	4.6	0.9
CHOLECYSTECTOMY.....	426	3.1	3.1	0.9	6.8	5.6	1.5	8.0	7.2	1.7
HYSTERECTOMY.....	198	1.0	1.1	0.9	2.0	2.3	1.3	2.5	3.4	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

NEW LONDON-NORWICH, CT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,755	10.1	9.7	0.6	15.5	14.6	0.7	19.7	18.4	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	135	31.9	23.5	4.8	35.6	26.7	5.0	37.0	30.0	4.8
CONGESTIVE HEART FAILURE.....	267	15.7	15.3	2.9	28.1	23.5	4.3	34.8	30.4	5.5
PNEUMONIA/INFLUENZA.....	267	16.5	17.8	2.6	25.1	24.0	3.0	30.7	29.0	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	46	4.3	6.4	*	13.0	11.8	*	13.0	16.7	*
TRANSIENT CEREBRAL ISCHEMIA.....	53	0.0	1.8	2.6	3.8	4.1	3.3	9.4	6.5	4.5
STROKE.....	208	21.2	20.4	3.4	28.4	27.3	3.7	32.2	31.8	3.3
HIP FRACTURE.....	138	2.2	5.8	3.7	6.5	10.5	4.7	10.9	13.7	3.9
SEPSIS.....	29	17.2	29.1	*	27.6	37.1	*	27.6	43.4	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	24	4.2	2.8	*	8.3	6.0	*	12.5	9.2	*
CAROTID ENDARTERECTOMY.....	8	0.0	1.4	*	0.0	2.9	*	0.0	4.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	96	1.0	2.4	1.9	4.2	4.5	2.3	5.2	6.1	3.0
OPEN REDUCTION OF HIP FRACTURE.....	58	1.7	5.0	4.4	5.2	9.5	7.5	6.9	12.7	9.6
PROSTATECTOMY.....	182	1.1	1.1	0.9	2.2	2.4	1.6	2.7	3.9	2.4
CHOLECYSTECTOMY.....	87	2.3	2.2	1.7	5.7	3.9	2.5	6.9	5.2	3.1
HYSTERECTOMY.....	23	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 33,767					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.30	27.48	0.28	0.88	0.01	4.69	4.60	0.12	1.02	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.70	0.89	0.05	0.78	0.05					
CONGESTIVE HEART FAILURE.....	1.58	1.65	0.07	0.96	0.04					
PNEUMONIA/INFLUENZA.....	1.20	1.18	0.06	1.02	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.25	0.49	0.04	0.50	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.41	0.03	0.52	0.05					
STROKE.....	0.90	0.90	0.05	0.99	0.06					
HIP FRACTURE.....	0.51	0.61	0.04	0.83	0.06					
SEPSIS.....	0.17	0.32	0.03	0.51	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.15	0.24	0.03	0.67	0.08					
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.36	0.03	0.87	0.08					
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.02	0.71	0.10					
CAROTID ENDARTERECTOMY.....	0.04	0.12	0.02	1.00	0.18					
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.43	0.04	0.91	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.21	0.29	0.03	0.72	0.08					
PROSTATECTOMY.....	0.72	0.76	0.05	0.94	0.06					
CHOLECYSTECTOMY.....	0.35	0.44	0.04	0.79	0.07					
HYSTERECTOMY.....	0.16	0.17	0.02	0.92	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

CT-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	2,502	8.4	9.6	1.0	14.4	14.6	1.5	17.5	18.5	1.4
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	118	22.0	26.3	8.4	25.4	29.7	8.5	28.8	33.4	7.7
CONGESTIVE HEART FAILURE.....	121	11.6	14.8	4.1	18.2	23.0	5.4	23.1	29.8	7.5
PNEUMONIA/INFLUENZA.....	144	11.8	15.5	4.6	20.8	21.4	4.6	25.0	26.0	5.0
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	50	4.0	5.6	*	14.0	10.2	*	18.0	14.4	*
TRANSIENT CEREBRAL ISCHEMIA.....	38	0.0	1.8	*	0.0	4.0	*	2.6	6.4	*
STROKE.....	94	19.1	21.0	5.0	24.5	27.7	6.1	27.7	32.4	8.1
HIP FRACTURE.....	65	4.6	7.3	4.3	12.3	12.9	5.2	15.4	16.6	5.0
SEPSIS.....	26	7.7	24.8	*	15.4	31.8	*	15.4	37.4	*
PROCEDUREES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	24	4.2	6.3	*	4.2	9.7	*	4.2	12.7	*
CAROTID ENOARTERECTOMY.....	3	0.0	1.9	*	0.0	3.4	*	0.0	5.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	46	0.0	4.0	*	2.2	7.7	*	4.3	10.6	*
OPEN REDUCTION OF HIP FRACTURE.....	32	9.4	6.7	*	25.0	12.5	*	31.3	16.2	*
PROSTATECTOMY.....	75	4.0	1.4	2.4	4.0	3.3	2.2	5.3	5.3	2.7
CHOLECYSTECTOMY.....	55	1.8	3.4	2.6	5.5	6.0	3.3	9.1	7.7	4.1
HYSTERECTOMY.....	29	0.0	0.3	*	3.4	0.7	*	3.4	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 15,036						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SD,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	26.02	28.62	0.44	0.91	0.01		4.82	4.77	0.18	1.01	0.04
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.05	0.92	0.08	1.17	0.10						
CONGESTIVE HEART FAILURE.....	1.47	1.69	0.11	0.85	0.05						
PNEUMONIA/INFLUENZA.....	1.31	1.33	0.09	1.01	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.49	0.51	0.06	0.93	0.12						
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.42	0.05	0.92	0.13						
STROKE.....	0.73	0.91	0.08	0.84	0.08						
HIP FRACTURE.....	0.53	0.64	0.07	0.79	0.09						
SEPSIS.....	0.25	0.31	0.05	0.94	0.16						
PROCEDUREES:											
ANGIOPLASTY.....	0.17	0.20	0.04	0.70	0.16						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.33	0.05	1.04	0.17						
INITIAL PACEMAKER INSERTION.....	0.23	0.19	0.04	1.33	0.32						
CAROTID ENOARTERECTOMY.....	0.09	0.11	0.03	1.00	0.34						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.44	0.05	0.77	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.30	0.04	0.81	0.14						
PROSTATECTOMY.....	0.74	0.72	0.07	1.07	0.11						
CHOLECYSTECTOMY.....	0.44	0.47	0.06	1.01	0.14						
HYSTERECTOMY.....	0.21	0.17	0.03	1.21	0.31						

** QUANTITIES COULD NOT BE ESTIMATED

WASHINGTON, DC-MD-VA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	57,366	8.5	8.7	0.2	13.7	13.6	0.3	17.4	17.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,337	26.1	25.8	1.2	29.2	29.2	1.3	31.4	32.7	1.4
CONGESTIVE HEART FAILURE.....	2,792	12.9	14.1	1.1	21.4	22.3	1.2	28.6	29.1	1.0
PNEUMONIA/INFLUENZA.....	1,877	15.9	15.9	1.2	23.0	21.8	1.7	26.9	26.5	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	813	9.8	8.6	1.2	18.6	14.8	1.8	24.1	20.1	2.0
TRANSIENT CEREBRAL ISCHEMIA.....	768	2.3	1.8	0.6	4.7	3.9	0.8	5.9	6.3	0.9
STROKE.....	2,192	19.5	19.5	0.9	26.0	26.0	1.0	29.6	30.4	1.2
HIP FRACTURE.....	1,344	6.0	6.0	0.6	10.9	10.9	0.9	14.7	14.4	1.2
SEPSIS.....	654	27.4	27.3	2.0	38.8	35.7	2.3	45.3	42.2	2.7
PROCEDURES:										
ANGIOPLASTY.....	610	2.6	2.8	0.9	3.6	4.0	1.3	4.1	5.2	1.7
CORONARY ARTERY BYPASS GRAFT.....	743	4.8	5.6	1.5	7.1	8.2	1.5	9.3	10.0	1.4
INITIAL PACEMAKER INSERTION.....	301	4.3	3.5	1.3	7.0	6.6	1.6	10.0	9.5	1.9
CAROTID ENDARTERECTOMY.....	206	2.9	1.4	1.5	4.4	2.6	1.8	4.9	3.9	1.6
HIP REPLACEMENT/RECONSTRUCTION.....	1,014	2.0	2.9	0.8	5.0	5.5	0.9	7.2	7.4	0.8
OPEN REDUCTION OF HIP FRACTURE.....	629	5.4	5.4	0.9	10.2	10.3	1.2	13.8	13.7	1.4
PROSTATECTOMY.....	1,746	1.0	1.1	0.3	2.4	2.6	0.4	4.4	4.4	0.5
CHOLECYSTECTOMY.....	792	3.5	3.2	0.7	6.2	5.7	0.9	8.1	7.5	1.1
HYSTERECTOMY.....	458	1.3	1.1	0.6	2.2	2.3	0.7	3.5	3.5	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 292,111						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.68	25.68	0.09	1.04	0.00		4.48	4.65	0.04	0.96	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.65	0.70	0.02	0.92	0.02						
CONGESTIVE HEART FAILURE.....	1.62	1.58	0.02	1.02	0.01						
PNEUMONIA/INFLUENZA.....	0.91	0.87	0.02	1.04	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.34	0.01	1.36	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.36	0.01	0.90	0.03						
STROKE.....	0.90	0.93	0.02	0.98	0.02						
HIP FRACTURE.....	0.54	0.54	0.01	1.01	0.03						
SEPSIS.....	0.34	0.38	0.01	0.88	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.21	0.01	1.11	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.30	0.01	1.01	0.03						
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.01	0.75	0.03						
CAROTID ENDARTERECTOMY.....	0.08	0.09	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.37	0.01	1.06	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.27	0.01	0.90	0.03						
PROSTATECTOMY.....	0.67	0.71	0.02	0.94	0.02						
CHOLECYSTECTOMY.....	0.29	0.32	0.01	0.92	0.03						
HYSTERECTOMY.....	0.16	0.15	0.01	1.12	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

WILMINGTON, DE-NJ-MO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	13,719	8.6	8.8	0.3	13.7	13.6	0.3	17.6	17.3	0.3
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	545	19.1	24.9	2.5	24.0	28.3	2.4	28.3	31.7	2.3
CONGESTIVE HEART FAILURE.....	722	13.6	14.7	1.7	21.9	23.0	2.3	29.4	29.7	2.2
PNEUMONIA/INFLUENZA.....	531	16.8	15.9	2.5	23.9	21.6	3.5	28.2	26.2	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	226	7.5	7.4	2.5	11.5	12.8	2.3	18.6	17.6	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	227	1.8	1.8	1.7	3.5	4.1	2.2	7.0	6.5	1.8
STROKE.....	511	22.7	19.2	2.5	30.3	25.8	3.3	34.4	30.1	3.3
HIP FRACTURE.....	338	7.1	6.4	1.5	11.8	11.7	1.9	14.8	15.3	2.1
SEPSIS.....	183	22.4	27.4	5.7	32.2	35.6	6.8	37.2	41.9	8.2
PROCEDURES:										
ANGIOPLASTY.....	69	1.4	3.3	2.4	4.3	4.4	2.5	8.7	5.6	3.3
CORONARY ARTERY BYPASS GRAFT.....	165	4.2	6.7	2.9	8.5	9.7	2.8	10.3	11.5	3.0
INITIAL PACEMAKER INSERTION.....	83	7.2	4.7	3.1	10.8	8.3	3.7	14.5	11.4	6.0
CAROTID ENDARTERECTOMY.....	71	1.4	1.2	1.5	2.8	2.2	2.6	7.0	3.3	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	230	4.3	3.0	1.9	7.8	5.7	2.5	9.1	7.7	2.7
OPEN REDUCTION OF HIP FRACTURE.....	170	5.9	5.9	2.7	8.8	11.2	4.3	12.4	14.9	4.8
PROSTATECTOMY.....	425	0.9	0.9	0.5	2.1	2.2	0.8	2.4	3.7	1.3
CHOLECYSTECTOMY.....	269	3.3	2.6	1.2	4.8	4.7	1.9	8.2	6.3	2.0
HYSTERECTOMY.....	104	1.0	0.7	0.8	1.0	1.5	1.3	1.0	2.2	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 73,643						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.11	27.22	0.19	1.07	0.01		4.85	4.50	0.08	1.08	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.11	0.82	0.03	1.35	0.06						
CONGESTIVE HEART FAILURE.....	1.85	1.65	0.05	1.12	0.03						
PNEUMONIA/INFLUENZA.....	1.04	1.04	0.04	**	**						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.55	0.45	0.02	1.22	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.39	0.02	1.11	0.07						
STROKE.....	0.93	0.92	0.03	1.01	0.04						
HIP FRACTURE.....	0.59	0.55	0.03	1.08	0.05						
SEPSIS.....	0.38	0.36	0.02	1.09	0.07						
PROCEOURES:											
ANGIOPLASTY.....	0.19	0.26	0.02	0.81	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.36	0.02	1.08	0.07						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.02	0.86	0.07						
CAROTID ENDARTERECTOMY.....	0.15	0.12	0.01	1.00	0.11						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.38	0.02	1.04	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.28	0.02	1.13	0.08						
PROSTATECTOMY.....	0.76	0.75	0.03	1.01	0.04						
CHOLECYSTECTOMY.....	0.46	0.40	0.02	1.15	0.07						
HYSTERECTOMY.....	0.16	0.16	0.01	0.98	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

DE-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,942	9.8	9.7	0.5	14.7	14.5	0.6	18.2	18.3	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	199	27.6	26.8	3.6	30.2	30.1	3.3	31.7	33.5	3.7
CONGESTIVE HEART FAILURE.....	359	12.5	15.4	3.1	19.2	23.6	4.0	26.7	30.4	3.9
PNEUMONIA/INFLUENZA.....	235	15.7	15.6	2.6	22.6	21.1	3.0	25.5	25.5	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	100	4.0	7.1	3.3	7.0	12.6	4.7	14.0	17.5	4.4
TRANSIENT CEREBRAL ISCHEMIA.....	122	1.6	1.9	1.5	4.1	4.2	2.1	5.7	6.7	2.4
STROKE.....	216	22.2	20.3	4.6	30.6	26.5	6.4	34.3	30.8	6.6
HIP FRACTURE.....	111	3.6	7.0	3.7	9.0	12.4	4.0	16.2	15.9	3.5
SEPSIS.....	97	28.9	25.1	5.5	37.1	33.7	6.4	42.3	40.0	6.3
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	46	13.0	8.0	*	17.4	12.4	*	19.6	15.6	*
CAROTID ENDARTERECTOMY.....	18	0.0	1.5	*	5.6	2.9	*	5.6	4.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	91	4.4	3.5	2.1	6.6	6.6	4.0	13.2	9.0	5.7
OPEN REDUCTION OF HIP FRACTURE.....	51	5.9	7.1	3.9	15.7	12.7	5.3	17.6	16.2	5.7
PROSTATECTOMY.....	193	1.6	1.0	1.1	3.1	2.4	1.6	4.1	3.9	1.9
CHOLECYSTECTOMY.....	109	0.9	2.8	2.4	3.7	5.0	3.2	3.7	6.5	3.6
HYSTERECTOMY.....	32	0.0	1.7	*	0.0	3.3	*	3.1	4.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 34,595						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.87	29.29	0.29	1.09	0.01		4.70	4.46	0.11	1.05	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.16	0.92	0.05	1.26	0.07						
CONGESTIVE HEART FAILURE.....	2.12	1.79	0.07	1.19	0.05						
PNEUMONIA/INFLUENZA.....	1.04	1.23	0.06	0.83	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.58	0.55	0.04	1.05	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.61	0.43	0.04	1.40	0.12						
STROKE.....	0.89	0.98	0.05	0.91	0.05						
HIP FRACTURE.....	0.40	0.52	0.04	0.75	0.06						
SEPSIS.....	0.44	0.36	0.03	1.28	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.31	0.25	0.03	1.15	0.13						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.37	0.03	0.89	0.08						
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.02	1.06	0.15						
CAROTID ENDARTERECTOMY.....	0.17	0.13	0.02	1.00	0.17						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.37	0.03	0.90	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.19	0.26	0.03	0.69	0.08						
PROSTATECTOMY.....	0.78	0.79	0.05	0.97	0.06						
CHOLECYSTECTOMY.....	0.45	0.47	0.04	0.93	0.08						
HYSTERECTOMY.....	0.12	0.17	0.02	0.64	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

DAYTONA BEACH, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	11,667	10.0	9.7	0.4	14.9	14.3	0.6	18.1	17.9	0.5
CONOITIONS:										
ACUTE MYOCAROIAL INFARCTION.....	399	24.1	27.4	2.7	27.6	30.6	2.6	29.3	33.9	3.1
CONGESTIVE HEART FAILURE.....	551	13.2	15.0	2.2	22.5	23.2	3.3	27.0	29.9	4.0
PNEUMONIA/INFLUENZA.....	291	13.1	16.2	4.1	21.3	21.9	3.5	24.7	26.4	3.4
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	145	9.0	8.5	2.4	15.2	14.1	3.1	18.6	19.1	3.5
TRANSIENT CEREBRAL ISCHEMIA.....	117	2.6	1.7	2.4	6.0	3.7	2.9	7.7	5.9	3.5
STROKE.....	504	18.1	20.9	2.7	21.4	27.3	3.0	26.0	31.7	3.2
HIP FRACTURE.....	387	7.8	6.6	2.1	13.4	11.7	2.2	17.1	15.2	2.7
SEPSIS.....	229	24.9	30.5	5.4	34.9	39.0	5.2	41.9	45.5	5.2
PROCEDUREES:										
ANGIOPLASTY.....	92	4.3	2.7	2.5	4.3	3.6	2.4	5.4	4.7	2.3
CORONARY ARTERY BYPASS GRAFT.....	124	4.0	4.8	2.1	6.5	6.9	2.3	7.3	8.3	2.8
INITIAL PACEMAKER INSERTION.....	98	1.0	2.7	2.2	3.1	5.4	3.0	7.1	7.9	3.1
CAROTID ENOARTERECTOMY.....	83	3.6	1.4	1.7	8.4	2.6	3.0	9.6	3.8	3.6
HIP REPLACEMENT/RECONSTRUCTION.....	243	2.1	2.8	1.3	5.3	5.3	1.6	7.8	7.1	1.8
OPEN REOUCTION OF HIP FRACTURE.....	206	8.3	6.1	3.7	15.0	11.3	4.4	18.0	14.8	4.1
PROSTATECTOMY.....	700	1.1	0.7	0.5	2.3	1.8	0.6	3.7	3.0	0.8
CHOLECYSTECTOMY.....	270	1.1	2.5	1.4	2.6	4.3	1.9	3.7	5.7	2.1
HYSTERECTOMY.....	109	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO OEVIATION.

FORT LAUDERDALE-HOLLYWOOD-POMPANO BEACH, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	39,142	9.5	9.4	0.2	14.7	14.2	0.3	18.4	18.0	0.2
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,528	28.0	26.5	1.2	33.0	30.1	1.3	36.4	33.6	1.3
CONGESTIVE HEART FAILURE.....	2,050	16.6	16.0	1.1	25.2	24.7	1.0	31.9	31.8	1.1
PNEUMONIA/INFLUENZA.....	1,123	15.1	16.5	2.2	21.0	22.4	2.7	25.5	27.0	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	630	8.6	8.4	1.3	16.0	14.4	2.0	20.5	19.6	2.1
TRANSIENT CEREBRAL ISCHEMIA.....	638	1.9	1.9	0.9	3.9	4.2	1.1	6.3	6.7	1.2
STROKE.....	1,374	22.9	21.5	1.8	28.7	28.1	1.4	32.8	32.6	1.3
HIP FRACTURE.....	1,100	6.5	6.9	1.2	11.1	12.2	1.6	14.5	15.6	1.9
SEPSIS.....	488	21.5	27.9	2.8	34.2	36.5	3.0	40.6	42.8	2.4
PROCEURES:										
ANGIOPLASTY.....	499	2.6	3.0	0.9	3.6	4.0	1.0	4.0	5.1	1.1
CORONARY ARTERY BYPASS GRAFT.....	809	5.4	5.0	1.1	7.0	7.4	1.6	8.0	9.0	1.9
INITIAL PACEMAKER INSERTION.....	559	3.6	3.6	0.8	6.4	6.9	1.3	9.1	9.9	1.8
CAROTID ENOARTERECTOMY.....	139	1.4	1.5	1.2	2.2	2.8	1.5	5.0	4.1	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	711	2.4	3.7	1.0	5.8	7.0	1.1	8.9	9.3	1.1
OPEN REDUCTION OF HIP FRACTURE.....	603	7.1	6.4	1.1	10.9	11.7	1.4	13.3	15.3	1.9
PROSTATECTOMY.....	1,366	0.7	1.1	0.5	2.1	2.6	0.7	3.7	4.3	0.8
CHOLECYSTECTOMY.....	675	3.7	3.3	0.7	6.2	5.8	1.0	7.0	7.5	1.1
HYSTERECTOMY.....	333	0.3	0.9	0.6	0.9	1.9	1.0	3.0	2.8	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 257,180						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.25	25.21	0.10	0.96	0.00		4.41	4.47	0.04	0.99	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.84	0.02	1.10	0.02						
CONGESTIVE HEART FAILURE.....	1.52	1.50	0.02	1.01	0.02						
PNEUMONIA/INFLUENZA.....	0.65	1.00	0.02	0.65	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.37	0.01	1.10	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.35	0.35	0.01	0.99	0.03						
STROKE.....	0.76	0.88	0.02	0.86	0.02						
HIP FRACTURE.....	0.60	0.60	0.01	0.99	0.02						
SEPSIS.....	0.33	0.32	0.01	1.05	0.04						
PROCEURES:											
ANGIOPLASTY.....	0.25	0.25	0.01	0.99	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.38	0.01	**	**						
INITIAL PACEMAKER INSERTION.....	0.31	0.21	0.01	1.44	0.06						
CAROTID ENOARTERECTOMY.....	0.08	0.12	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.46	0.01	0.85	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.30	0.01	1.09	0.04						
PROSTATECTOMY.....	0.73	0.87	0.02	0.84	0.02						
CHOLECYSTECTOMY.....	0.33	0.39	0.01	0.85	0.03						
HYSTERECTOMY.....	0.18	0.18	0.01	1.01	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

FORT MYERS, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	14,283	7.7	8.0	0.3	11.8	12.3	0.4	14.9	15.6	0.4
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	534	21.3	23.4	2.7	23.8	26.7	3.1	26.0	30.0	3.6
CONGESTIVE HEART FAILURE.....	668	13.5	15.2	1.7	24.3	23.5	1.7	29.3	30.3	1.9
PNEUMONIA/INFLUENZA.....	422	13.3	15.3	3.3	19.0	20.6	2.8	23.2	25.0	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	313	8.9	8.5	1.7	15.3	14.3	2.3	21.4	19.3	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	149	2.7	1.8	1.8	4.7	3.9	1.8	6.0	6.1	2.0
STROKE.....	472	18.0	20.8	2.8	23.5	27.3	3.6	26.7	31.7	3.7
HIP FRACTURE.....	365	6.3	7.2	1.9	10.1	12.6	3.1	14.5	16.0	2.4
SEPSIS.....	113	22.1	23.2	4.2	29.2	30.7	5.1	33.6	36.4	6.2
PROCEDURE:										
ANGIOPLASTY.....	187	1.1	3.2	2.0	1.6	4.1	2.1	3.2	5.2	2.2
CORONARY ARTERY BYPASS GRAFT.....	341	3.8	5.3	1.6	5.3	7.7	2.1	5.3	9.2	2.5
INITIAL PACEMAKER INSERTION.....	122	3.3	3.9	2.6	5.7	7.0	3.3	8.2	9.8	3.8
CAROTID ENDOARTERECTOMY.....	71	4.2	1.5	2.0	4.2	2.8	2.5	4.2	4.0	3.4
HIP REPLACEMENT/RECONSTRUCTION.....	299	4.7	2.5	2.1	6.0	4.7	2.1	7.4	6.3	2.4
OPEN REDUCTION OF HIP FRACTURE.....	208	3.8	6.3	2.2	9.1	11.5	2.5	14.4	14.9	2.5
PROSTATECTOMY.....	742	0.7	0.8	0.4	2.3	2.0	0.6	3.8	3.3	0.9
CHOLECYSTECTOMY.....	309	2.3	3.4	1.7	3.9	5.7	2.0	4.9	7.2	2.2
HYSTERECTOMY.....	111	0.9	0.7	1.1	1.8	1.4	2.0	3.6	2.1	2.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 79,079						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.92	26.02	0.18	0.96	0.01		3.67	4.10	0.07	0.89	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.94	0.92	0.03	1.02	0.04						
CONGESTIVE HEART FAILURE.....	1.34	1.52	0.04	0.88	0.02						
PNEUMONIA/INFLUENZA.....	0.69	1.08	0.04	0.65	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.61	0.49	0.02	1.22	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.40	0.02	0.73	0.04						
STROKE.....	0.76	0.87	0.03	0.88	0.03						
HIP FRACTURE.....	0.55	0.50	0.02	1.11	0.06						
SEPSIS.....	0.23	0.31	0.02	0.76	0.05						
PROCEDURE:											
ANGIOPLASTY.....	0.28	0.31	0.02	0.93	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.50	0.44	0.02	1.13	0.06						
INITIAL PACEMAKER INSERTION.....	0.19	0.21	0.02	0.96	0.08						
CAROTID ENDOARTERECTOMY.....	0.13	0.16	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.42	0.02	1.04	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.25	0.02	1.24	0.09						
PROSTATECTOMY.....	1.07	0.94	0.03	1.15	0.04						
CHOLECYSTECTOMY.....	0.46	0.46	0.02	**	**						
HYSTERECTOMY.....	0.17	0.18	0.01	0.97	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

FORT PIERCE, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,090	8.9	8.8	0.7	12.7	13.0	1.1	16.3	16.4	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	88	27.3	22.2	5.1	31.8	25.1	6.0	35.2	28.2	5.8
CONGESTIVE HEART FAILURE.....	108	10.2	15.5	6.3	15.7	23.7	7.2	24.1	30.4	6.3
PNEUMONIA/INFLUENZA.....	71	16.9	16.3	5.3	25.4	21.8	7.5	29.6	26.4	7.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	31	3.2	9.7	*	6.5	16.4	*	12.9	22.2	*
TRANSIENT CEREBRAL ISCHEMIA.....	38	0.0	1.8	*	0.0	3.9	*	2.6	6.1	*
STROKE.....	94	18.1	19.3	4.4	23.4	25.3	4.8	28.7	29.5	4.8
HIP FRACTURE.....	61	6.6	6.3	3.9	9.8	11.1	4.2	18.0	14.4	5.9
SEPSIS.....	34	20.6	29.1	*	29.4	37.0	*	38.2	43.1	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	40	7.5	5.0	*	12.5	8.6	*	12.5	11.5	*
CAROTID ENDARTERECTOMY.....	7	0.0	1.7	*	0.0	3.4	*	0.0	5.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	59	3.4	3.4	3.0	3.4	6.4	4.1	8.5	8.7	4.5
OPEN REDUCTION OF HIP FRACTURE.....	25	8.0	5.5	*	16.0	10.2	*	20.0	13.3	*
PROSTATECTOMY.....	106	0.0	1.0	1.2	0.0	2.2	2.1	0.9	3.6	2.5
CHOLECYSTECTOMY.....	48	2.1	2.0	*	2.1	3.7	*	2.1	4.9	*
HYSTERECTOMY.....	20	0.0	0.4	*	0.0	1.0	*	0.0	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 54,117						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.41	25.90	0.22	0.94	0.01		3.85	4.04	0.09	0.95	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.80	0.89	0.04	0.89	0.04						
CONGESTIVE HEART FAILURE.....	1.22	1.52	0.05	0.80	0.03						
PNEUMONIA/INFLUENZA.....	0.69	1.01	0.04	0.68	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.37	0.47	0.03	0.77	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.39	0.03	0.93	0.06						
STROKE.....	0.77	0.87	0.04	0.88	0.04						
HIP FRACTURE.....	0.51	0.48	0.03	1.06	0.07						
SEPSIS.....	0.33	0.31	0.02	1.03	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.27	0.31	0.02	0.88	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.49	0.44	0.03	1.12	0.07						
INITIAL PACEMAKER INSERTION.....	0.30	0.21	0.02	1.46	0.14						
CAROTID ENDARTERECTOMY.....	0.14	0.16	0.02	1.00	0.11						
HIP REPLACEMENT/RECONSTRUCTION.....	0.49	0.41	0.03	1.18	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.21	0.24	0.02	0.87	0.08						
PROSTATECTOMY.....	1.06	0.95	0.04	1.12	0.05						
CHOLECYSTECTOMY.....	0.41	0.45	0.03	0.89	0.06						
HYSTERECTOMY.....	0.22	0.17	0.02	1.28	0.14						

** QUANTITIES COULD NOT BE ESTIMATED

FORT WALTON BEACH, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,607	9.2	9.3	0.7	14.2	13.9	0.7	17.8	17.6	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	97	30.9	27.7	6.3	38.1	31.1	7.4	42.3	34.6	8.9
CONGESTIVE HEART FAILURE.....	122	10.7	13.6	5.1	20.5	21.5	4.0	27.9	28.2	4.1
PNEUMONIA/INFLUENZA.....	105	10.5	14.4	7.1	18.1	19.7	8.3	21.0	24.1	5.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	70	7.1	6.2	3.1	11.4	10.8	4.9	11.4	14.8	6.9
TRANSIENT CEREBRAL ISCHEMIA.....	52	0.0	1.7	2.3	0.0	3.8	3.9	1.9	6.1	4.5
STROKE.....	114	15.8	16.9	3.6	21.1	23.4	4.4	28.1	27.8	4.2
HIP FRACTURE.....	58	10.3	5.5	6.1	10.3	10.2	5.5	15.5	13.5	5.3
SEPSIS.....	48	27.1	23.9	*	35.4	31.4	*	37.5	37.1	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	18	5.6	4.2	*	5.6	7.6	*	5.6	10.7	*
CAROTID ENOARTERECTOMY.....	5	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	34	5.9	3.2	*	8.8	6.2	*	8.8	8.5	*
OPEN REDUCTION OF HIP FRACTURE.....	37	8.1	5.0	*	8.1	9.8	*	13.5	13.3	*
PROSTATECTOMY.....	105	1.9	0.6	1.3	2.9	1.4	1.7	2.9	2.4	2.1
CHOLECYSTECTOMY.....	47	2.1	2.3	*	6.4	4.2	*	6.4	5.8	*
HYSTERECTOMY.....	10	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 14,853					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.85	28.00	0.43	0.99	0.01	4.37	4.11	0.17	1.06	0.04
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.12	0.93	0.08	1.20	0.10					
CONGESTIVE HEART FAILURE.....	1.72	1.65	0.11	1.04	0.07					
PNEUMONIA/INFLUENZA.....	0.90	1.18	0.09	0.76	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.79	0.59	0.06	1.31	0.14					
TRANSIENT CEREBRAL ISCHEMIA.....	0.48	0.44	0.05	1.09	0.14					
STROKE.....	1.10	0.89	0.08	1.24	0.11					
HIP FRACTURE.....	0.47	0.48	0.06	0.96	0.12					
SEPSIS.....	0.40	0.31	0.05	1.34	0.21					
PROCEDURES:										
ANGIOPLASTY.....	0.17	0.28	0.05	0.51	0.08					
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.40	0.05	0.79	0.10					
INITIAL PACEMAKER INSERTION.....	0.23	0.19	0.04	1.22	0.25					
CAROTID ENOARTERECTOMY.....	0.09	0.15	0.03	1.00	0.23					
HIP REPLACEMENT/RECONSTRUCTION.....	0.29	0.37	0.05	0.75	0.10					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.24	0.04	1.25	0.23					
PROSTATECTOMY.....	0.79	0.81	0.07	0.96	0.09					
CHOLECYSTECTOMY.....	0.44	0.50	0.06	0.86	0.10					
HYSTERECTOMY.....	0.09	0.17	0.03	0.70	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

GAINESVILLE, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	8,250	7.5	8.0	0.4	11.9	12.4	0.5	14.9	15.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	272	20.6	24.8	4.0	24.3	28.2	4.5	25.7	31.6	4.7
CONGESTIVE HEART FAILURE.....	305	15.1	14.3	2.2	23.9	22.2	3.0	28.5	28.8	2.7
PNEUMONIA/INFLUENZA.....	251	9.2	15.5	4.0	15.5	21.0	4.2	19.5	25.5	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	57	5.3	10.7	6.0	8.8	16.8	7.8	14.0	21.8	8.7
TRANSIENT CEREBRAL ISCHEMIA.....	138	0.0	1.8	1.6	0.7	3.9	2.5	2.9	6.2	2.8
STROKE.....	266	19.2	20.6	6.1	30.8	27.6	5.7	34.6	32.1	4.6
HIP FRACTURE.....	158	5.1	7.3	3.8	8.9	12.8	5.9	12.7	16.4	5.6
SEPSIS.....	95	22.1	24.3	5.2	33.7	32.3	5.0	40.0	37.9	5.6
PROCEDURES:										
ANGIOPLASTY.....	102	4.9	5.2	2.3	6.9	6.2	2.4	6.9	7.4	3.0
CORONARY ARTERY BYPASS GRAFT.....	176	8.5	5.0	3.4	8.5	7.1	2.5	9.7	8.6	2.3
INITIAL PACEMAKER INSERTION.....	62	1.6	3.2	2.8	3.2	6.1	4.8	4.8	8.8	6.6
CAROTID ENDARTERECTOMY.....	66	1.5	1.6	1.7	4.5	3.2	3.0	7.6	4.8	4.7
HIP REPLACEMENT/RECONSTRUCTION.....	175	2.9	2.5	1.6	3.4	4.7	2.1	5.7	6.4	2.1
OPEN REDUCTION OF HIP FRACTURE.....	86	3.5	6.8	4.1	8.1	12.5	5.6	10.5	16.1	5.8
PROSTATECTOMY.....	189	0.5	0.9	0.8	2.1	2.3	1.5	4.2	4.0	2.1
CHOLECYSTECTOMY.....	141	0.7	2.3	2.0	2.8	4.3	3.3	2.8	5.8	3.7
HYSTERECTOMY.....	80	0.0	0.8	1.3	0.0	1.8	2.2	1.2	2.7	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 22,787						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.22	30.53	0.37	0.86	0.01		4.60	4.73	0.14	0.97	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.88	0.06	0.99	0.07						
CONGESTIVE HEART FAILURE.....	1.59	1.84	0.09	0.86	0.04						
PNEUMONIA/INFLUENZA.....	1.03	1.40	0.08	0.75	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.27	0.60	0.05	0.46	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.51	0.45	0.04	1.11	0.11						
STROKE.....	1.14	1.00	0.07	1.14	0.08						
HIP FRACTURE.....	0.50	0.53	0.05	0.94	0.09						
SEPSIS.....	0.48	0.39	0.04	1.18	0.13						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.24	0.03	0.78	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.35	0.04	0.96	0.11						
INITIAL PACEMAKER INSERTION.....	0.18	0.18	0.03	0.92	0.16						
CAROTID ENDARTERECTOMY.....	0.14	0.12	0.02	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.35	0.04	1.08	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.26	0.03	1.11	0.15						
PROSTATECTOMY.....	0.55	0.73	0.06	0.77	0.06						
CHOLECYSTECTOMY.....	0.37	0.46	0.04	0.83	0.08						
HYSTERECTOMY.....	0.19	0.16	0.03	1.05	0.20						

** QUANTITIES COULD NOT BE ESTIMATED

JACKSONVILLE, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	22,771	8.2	8.5	0.3	12.7	13.0	0.3	16.2	16.5	0.3
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	573	23.7	26.7	2.9	27.4	29.9	2.9	30.2	33.3	2.8
CONGESTIVE HEART FAILURE.....	1,059	12.6	14.7	1.8	21.9	22.8	1.9	28.5	29.6	2.1
PNEUMONIA/INFLUENZA.....	852	15.0	15.8	1.5	20.3	21.5	1.9	25.2	26.1	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	423	7.6	6.6	1.5	12.8	11.5	2.4	16.3	15.8	2.0
TRANSIENT CEREBRAL ISCHEMIA.....	360	1.7	1.8	1.1	4.2	4.0	1.3	6.7	6.3	1.4
STROKE.....	760	19.3	20.7	2.8	26.3	27.1	3.3	30.8	31.5	2.3
HIP FRACTURE.....	490	6.9	6.6	1.2	11.6	11.6	1.5	14.5	15.1	1.8
SEPSIS.....	284	28.5	28.7	2.8	36.6	36.5	2.9	42.6	42.5	2.9
PROCEDUREES:										
ANGIOPLASTY.....	321	3.1	3.1	1.1	4.0	4.0	1.1	6.2	5.0	1.5
CORONARY ARTERY BYPASS GRAFT.....	489	5.5	5.4	1.0	8.0	7.6	1.3	9.0	9.0	1.3
INITIAL PACEMAKER INSERTION.....	218	1.4	3.6	2.6	7.3	7.0	3.7	8.7	10.0	2.7
CAROTIO ENOARTERECTOMY.....	204	3.4	1.4	2.1	3.9	2.5	2.5	5.4	3.7	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	301	3.3	3.2	1.1	5.0	6.1	2.0	6.6	8.2	2.6
OPEN REDUCTION OF HIP FRACTURE.....	262	7.6	6.2	3.4	14.1	11.4	3.8	16.8	14.8	3.5
PROSTATECTOMY.....	706	1.0	0.9	0.6	1.8	2.1	0.6	3.3	3.4	0.7
CHOLECYSTECTOMY.....	423	5.2	3.3	1.6	7.6	6.0	1.7	8.7	7.9	1.6
HYSTERECTOMY.....	183	2.2	0.7	1.2	3.3	1.6	1.3	4.4	2.5	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 107,636						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.17	29.74	0.17	1.01	0.01		4.58	4.64	0.07	0.99	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.77	0.89	0.03	0.87	0.03						
CONGESTIVE HEART FAILURE.....	1.76	1.87	0.04	0.95	0.02						
PNEUMONIA/INFLUENZA.....	1.16	1.22	0.03	0.95	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.65	0.54	0.02	1.18	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.47	0.45	0.02	1.08	0.05						
STROKE.....	0.92	1.02	0.03	0.91	0.03						
HIP FRACTURE.....	0.58	0.54	0.02	1.07	0.04						
SEPSIS.....	0.42	0.39	0.02	1.05	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.38	0.24	0.01	1.57	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.49	0.35	0.02	1.37	0.07						
INITIAL PACEMAKER INSERTION.....	0.26	0.19	0.01	1.37	0.10						
CAROTIO ENOARTERECTOMY.....	0.21	0.13	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.36	0.02	0.98	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.28	0.02	1.12	0.07						
PROSTATECTOMY.....	0.71	0.74	0.03	0.97	0.03						
CHOLECYSTECTOMY.....	0.46	0.45	0.02	1.04	0.05						
HYSTERECTOMY.....	0.17	0.16	0.01	1.02	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

LAKELAND-WINTER HAVEN, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,330	8.9	8.2	0.4	13.3	12.7	0.4	16.4	16.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	461	26.0	25.3	2.4	29.5	28.5	2.3	31.5	31.9	2.2
CONGESTIVE HEART FAILURE.....	539	14.8	14.2	1.5	22.1	22.1	1.9	29.5	28.7	2.0
PNEUMONIA/INFLUENZA.....	387	18.9	16.8	2.1	24.3	22.8	2.5	27.9	27.6	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	242	11.2	7.4	3.1	16.5	12.8	3.8	20.7	17.6	3.6
TRANSIENT CEREBRAL ISCHEMIA.....	118	0.8	1.8	1.5	0.8	4.0	3.2	4.2	6.5	3.1
STROKE.....	475	18.5	18.5	2.3	24.8	25.0	2.0	29.1	29.3	2.1
HIP FRACTURE.....	355	8.2	6.0	2.1	12.7	10.8	2.3	14.9	14.1	2.0
SEPSIS.....	123	27.6	25.5	5.7	36.6	33.0	7.2	40.7	38.9	5.7
PROCEDURES:										
ANGIOPLASTY.....	189	4.2	3.7	1.6	4.8	4.7	1.7	6.3	5.8	1.8
CORONARY ARTERY BYPASS GRAFT.....	222	13.1	5.4	3.3	15.8	7.5	2.9	15.8	9.0	2.9
INITIAL PACEMAKER INSERTION.....	121	2.5	2.8	1.5	5.0	5.4	2.1	8.3	8.0	2.5
CAROTID ENDARTERECTOMY.....	75	0.0	1.4	1.9	0.0	2.7	3.0	1.3	4.1	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	301	4.7	2.6	2.0	6.0	5.0	1.7	7.3	6.9	1.6
OPEN REDUCTION OF HIP FRACTURE.....	212	8.5	5.8	2.5	13.7	10.8	2.8	15.1	14.3	2.5
PROSTATECTOMY.....	604	0.5	0.8	0.4	1.0	1.9	0.7	2.3	3.2	0.9
CHOLECYSTECTOMY.....	264	2.3	2.2	0.9	4.2	3.8	1.2	4.9	5.1	1.4
HYSTERECTOMY.....	149	2.0	1.0	1.5	2.7	2.2	2.0	4.0	3.3	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 72,824						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.81	28.62	0.20	0.83	0.01		4.14	4.37	0.08	0.95	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.83	0.96	0.04	0.89	0.03						
CONGESTIVE HEART FAILURE.....	1.27	1.73	0.05	0.74	0.02						
PNEUMONIA/INFLUENZA.....	0.73	1.25	0.04	0.57	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.54	0.56	0.03	0.97	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.23	0.44	0.02	0.51	0.03						
STROKE.....	0.79	0.96	0.04	0.82	0.03						
HIP FRACTURE.....	0.56	0.53	0.03	1.08	0.06						
SEPSIS.....	0.24	0.34	0.02	0.72	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.35	0.28	0.02	1.25	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.48	0.40	0.02	1.20	0.07						
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.02	1.05	0.09						
CAROTID ENDARTERECTOMY.....	0.14	0.15	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.40	0.02	1.06	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.27	0.02	1.21	0.09						
PROSTATECTOMY.....	0.91	0.86	0.03	1.06	0.04						
CHOLECYSTECTOMY.....	0.42	0.49	0.03	0.88	0.05						
HYSTERECTOMY.....	0.17	0.17	0.02	0.98	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

MELBOURNE-TITUSVILLE, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	10,482	8.3	9.2	0.4	12.8	13.8	0.5	16.1	17.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	323	18.3	28.1	3.7	21.7	31.3	3.8	25.4	34.8	3.7
CONGESTIVE HEART FAILURE.....	530	15.7	15.4	2.0	25.7	23.6	2.5	32.6	30.4	2.9
PNEUMONIA/INFLUENZA.....	349	12.9	15.4	2.7	17.8	21.0	3.8	21.8	25.6	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	276	7.6	8.5	1.9	13.4	14.3	2.2	19.2	19.2	2.4
TRANSIENT CEREBRAL ISCHEMIA.....	127	2.4	1.9	1.3	4.7	4.2	1.9	5.5	6.8	2.5
STROKE.....	408	16.7	20.6	3.1	22.5	27.1	3.5	26.0	31.5	3.8
HIP FRACTURE.....	257	5.4	6.9	2.6	9.7	12.1	4.0	12.5	15.5	5.2
SEPSIS.....	150	22.7	31.4	6.6	32.0	39.3	6.5	40.0	45.6	5.4
PROCEDURES:										
ANGIOPLASTY.....	156	1.9	3.8	2.3	1.9	4.9	2.4	1.9	6.1	3.0
CORONARY ARTERY BYPASS GRAFT.....	150	4.0	5.4	2.7	6.7	7.7	3.9	7.3	9.3	3.3
INITIAL PACEMAKER INSERTION.....	70	1.4	3.7	2.6	2.9	7.0	3.8	4.3	10.2	4.7
CAROTID ENDARTERECTOMY.....	77	0.0	1.3	1.6	3.9	2.3	2.1	5.2	3.3	2.5
HIP REPLACEMENT/RECONSTRUCTION.....	155	2.6	3.4	1.8	6.5	6.1	2.2	7.7	7.9	2.2
OPEN REDUCTION OF HIP FRACTURE.....	148	5.4	6.2	2.3	6.8	11.3	3.3	8.8	14.7	4.1
PROSTATECTOMY.....	435	0.2	0.8	0.7	0.7	2.0	1.3	2.1	3.3	1.8
CHOLECYSTECTOMY.....	211	2.8	2.5	1.1	4.3	4.3	1.4	6.2	5.6	2.0
HYSTERECTOMY.....	99	0.0	0.5	1.0	1.0	1.1	1.1	2.0	1.7	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 66,730						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	24.88	26.43	0.20	0.94	0.01		3.76	4.07	0.08	0.92	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.72	0.89	0.04	0.81	0.03						
CONGESTIVE HEART FAILURE.....	1.45	1.55	0.05	0.94	0.03						
PNEUMONIA/INFLUENZA.....	0.76	1.05	0.04	0.73	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.73	0.51	0.03	1.42	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.40	0.02	0.71	0.04						
STROKE.....	0.79	0.87	0.04	0.91	0.04						
HIP FRACTURE.....	0.52	0.48	0.03	1.08	0.06						
SEPSIS.....	0.38	0.31	0.02	1.20	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.41	0.30	0.02	1.31	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.42	0.02	1.02	0.06						
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.02	0.82	0.07						
CAROTID ENDARTERECTOMY.....	0.24	0.16	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.39	0.02	0.84	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.24	0.02	1.22	0.10						
PROSTATECTOMY.....	0.86	0.87	0.04	0.99	0.04						
CHOLECYSTECTOMY.....	0.40	0.46	0.03	0.87	0.05						
HYSTERECTOMY.....	0.19	0.17	0.02	1.07	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

MIAMI-HIALEAH, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	46,716	9.5	9.8	0.2	14.8	14.7	0.4	18.4	18.6	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,781	24.2	28.5	1.2	29.4	32.3	1.3	32.9	36.1	1.2
CONGESTIVE HEART FAILURE.....	1,964	15.5	16.4	1.0	24.7	25.4	1.2	30.9	32.6	1.7
PNEUMONIA/INFLUENZA.....	1,682	16.9	17.7	1.1	24.5	24.0	1.1	28.7	28.9	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	602	8.6	8.6	2.0	15.0	14.6	2.0	19.1	19.9	2.3
TRANSIENT CEREBRAL ISCHEMIA.....	755	2.3	1.8	0.8	4.1	4.1	1.0	6.6	6.6	0.9
STROKE.....	1,671	20.6	21.5	1.1	28.8	28.5	1.1	33.4	33.1	1.2
HIP FRACTURE.....	1,221	6.0	6.9	0.9	12.0	12.3	1.0	15.2	15.9	1.2
SEPSIS.....	623	26.3	29.5	3.0	38.0	38.3	3.0	43.5	44.7	2.2
PROCEDURES:										
ANGIOPLASTY.....	467	3.4	2.9	0.9	4.9	4.0	1.2	6.0	5.1	1.6
CORONARY ARTERY BYPASS GRAFT.....	482	9.1	6.0	1.9	12.9	8.7	2.3	14.7	10.4	2.4
INITIAL PACEMAKER INSERTION.....	617	2.8	4.1	0.9	5.5	7.8	1.5	10.9	11.2	1.3
CAROTID ENDARTERECTOMY.....	112	0.9	1.5	1.3	2.7	2.8	2.0	3.6	4.1	2.1
HIP REPLACEMENT/RECONSTRUCTION.....	689	3.3	3.6	0.8	7.1	6.9	1.0	9.4	9.4	1.2
OPEN REDUCTION OF HIP FRACTURE.....	695	4.9	6.2	1.5	11.1	11.6	1.7	14.4	15.1	1.5
PROSTATECTOMY.....	1,434	1.1	1.1	0.3	2.6	2.5	0.4	4.2	4.2	0.5
CHOLECYSTECTOMY.....	712	4.2	3.4	1.0	7.0	6.1	1.2	8.6	7.9	1.3
HYSTERECTOMY.....	370	0.8	1.0	0.7	2.7	2.1	1.0	4.1	3.1	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 280,646						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.62	26.47	0.10	0.85	0.00		4.59	4.78	0.04	0.96	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.83	0.82	0.02	1.01	0.02						
CONGESTIVE HEART FAILURE.....	1.21	1.63	0.02	0.74	0.01						
PNEUMONIA/INFLUENZA.....	0.84	1.07	0.02	0.79	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.35	0.39	0.01	0.89	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.35	0.36	0.01	0.98	0.03						
STROKE.....	0.77	0.92	0.02	0.84	0.02						
HIP FRACTURE.....	0.52	0.63	0.01	0.82	0.02						
SEPSIS.....	0.36	0.36	0.01	**	**						
PROCEDURES:											
ANGIOPLASTY.....	0.21	0.25	0.01	0.84	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.23	0.35	0.01	0.65	0.02						
INITIAL PACEMAKER INSERTION.....	0.26	0.20	0.01	1.29	0.05						
CAROTID ENDARTERECTOMY.....	0.05	0.11	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.28	0.44	0.01	0.63	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.32	0.01	0.91	0.03						
PROSTATECTOMY.....	0.58	0.80	0.02	0.73	0.01						
CHOLECYSTECTOMY.....	0.29	0.38	0.01	0.75	0.02						
HYSTERECTOMY.....	0.14	0.17	0.01	0.82	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

MAPLES, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	4,660	9.6	9.2	0.5	14.2	14.0	0.5	17.7	17.7	0.6
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	157	28.7	27.1	3.8	31.2	30.1	3.7	33.1	33.4	3.8
CONGESTIVE HEART FAILURE.....	228	13.6	14.7	2.6	22.8	22.6	3.0	27.6	29.2	4.5
PNEUMONIA/INFLUENZA.....	146	19.2	17.2	4.3	26.7	23.3	6.9	32.2	28.0	8.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	49	14.3	9.9	*	20.4	16.1	*	24.5	21.3	*
TRANSIENT CEREBRAL ISCHEMIA.....	153	1.3	1.7	1.2	3.9	3.8	1.9	5.2	6.1	2.4
STROKE.....	224	21.0	21.3	3.8	25.9	27.8	4.3	30.4	32.1	4.5
HIP FRACTURE.....	134	8.2	7.2	2.4	10.4	12.6	3.6	12.7	16.1	5.0
SEPSIS.....	75	25.3	23.2	5.2	34.7	31.0	7.8	44.0	36.9	9.0
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	59	0.0	3.7	4.0	1.7	6.9	5.0	3.4	9.7	5.6
CAROTID ENDOARTERECTOMY.....	21	0.0	1.4	*	4.8	2.5	*	9.5	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	118	3.4	3.4	2.0	4.2	6.1	3.5	5.1	7.9	5.0
OPEN REDUCTION OF HIP FRACTURE.....	64	10.9	6.7	5.5	14.1	12.3	4.6	17.2	16.0	4.8
PROSTATECTOMY.....	224	0.9	0.8	0.7	2.7	2.0	1.2	3.1	3.4	1.3
CHOLECYSTECTOMY.....	106	0.9	2.5	2.6	1.9	4.2	3.4	3.8	5.5	3.6
HYSTERECTOMY.....	64	1.6	0.5	1.4	1.6	0.9	1.3	1.6	1.4	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 30,723						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	21.62	24.34	0.28	0.89	0.01		3.70	3.92	0.11	0.94	0.03
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.85	0.05	0.86	0.05						
CONGESTIVE HEART FAILURE.....	1.07	1.37	0.07	0.78	0.04						
PNEUMONIA/INFLUENZA.....	0.69	0.95	0.05	0.72	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.28	0.43	0.04	0.64	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.49	0.38	0.03	1.36	0.13						
STROKE.....	0.73	0.82	0.05	0.89	0.06						
HIP FRACTURE.....	0.44	0.48	0.04	0.90	0.07						
SEPSIS.....	0.29	0.30	0.03	0.95	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.22	0.32	0.03	0.73	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.45	0.04	0.74	0.06						
INITIAL PACEMAKER INSERTION.....	0.21	0.21	0.03	1.04	0.13						
CAROTID ENDOARTERECTOMY.....	0.10	0.16	0.02	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.43	0.04	1.09	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.24	0.03	0.91	0.11						
PROSTATECTOMY.....	0.88	0.97	0.06	0.92	0.05						
CHOLECYSTECTOMY.....	0.34	0.42	0.04	0.79	0.07						
HYSTERECTOMY.....	0.23	0.17	0.02	1.32	0.19						

** QUANTITIES COULD NOT BE ESTIMATED

OCALA, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	6,235	9.0	8.0	0.7	12.8	12.0	0.6	16.3	15.3	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	244	23.0	25.8	5.6	26.2	28.8	5.2	29.5	32.0	4.2
CONGESTIVE HEART FAILURE.....	320	16.9	14.0	2.7	22.8	21.8	2.5	31.9	28.4	3.4
PNEUMONIA/INFLUENZA.....	170	15.9	14.2	3.2	24.7	19.5	4.1	25.9	24.0	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	84	10.7	5.6	4.4	17.9	10.6	6.0	21.4	15.2	5.5
TRANSIENT CEREBRAL ISCHEMIA.....	82	2.4	1.7	2.7	4.9	3.9	4.5	9.8	6.1	4.6
STROKE.....	227	19.8	19.8	3.1	28.6	25.7	4.4	32.6	30.1	4.1
HIP FRACTURE.....	153	8.5	6.2	3.3	13.7	11.1	4.9	19.0	14.4	6.5
SEPSIS.....	40	37.5	22.5	*	42.5	29.2	*	50.0	34.9	*
PROCEDURES:										
ANGIOPLASTY.....	148	5.4	3.9	2.0	6.8	5.0	2.4	8.1	6.3	3.1
CORONARY ARTERY BYPASS GRAFT.....	182	2.2	4.6	2.1	2.2	6.4	2.8	3.3	7.7	3.2
INITIAL PACEMAKER INSERTION.....	132	4.5	2.9	2.5	6.1	5.6	2.8	9.8	8.1	2.9
CAROTID ENDARTERECTOMY.....	51	2.0	1.5	1.9	3.9	2.7	2.5	3.9	3.9	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	117	4.3	2.7	2.0	6.0	5.0	3.5	11.1	6.8	4.5
OPEN REDUCTION OF HIP FRACTURE.....	79	5.1	5.5	2.7	10.1	10.4	3.6	13.9	13.8	3.9
PROSTATECTOMY.....	404	1.0	0.7	0.7	1.2	1.7	0.9	2.2	2.9	1.2
CHOLECYSTECTOMY.....	178	2.8	2.4	1.5	2.8	4.2	2.1	4.5	5.5	2.3
HYSTERECTOMY.....	79	0.0	0.3	1.2	1.3	0.6	1.4	1.3	0.9	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 45,868						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SD,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	21.05	29.26	0.25	0.72	0.01		3.75	4.08	0.09	0.93	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.68	1.04	0.05	0.65	0.03						
CONGESTIVE HEART FAILURE.....	1.13	1.75	0.06	0.65	0.02						
PNEUMONIA/INFLUENZA.....	0.56	1.29	0.05	0.46	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.35	0.66	0.04	0.54	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.48	0.03	0.66	0.04						
STROKE.....	0.66	0.97	0.05	0.68	0.03						
HIP FRACTURE.....	0.43	0.46	0.03	0.94	0.06						
SEPSIS.....	0.18	0.34	0.03	0.52	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.37	0.32	0.03	1.18	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.45	0.45	0.03	**	**						
INITIAL PACEMAKER INSERTION.....	0.34	0.20	0.02	1.72	0.18						
CAROTID ENDARTERECTOMY.....	0.18	0.18	0.02	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.37	0.03	0.98	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.24	0.02	0.96	0.09						
PROSTATECTOMY.....	1.10	0.93	0.04	1.18	0.06						
CHOLECYSTECTOMY.....	0.50	0.55	0.03	0.91	0.06						
HYSTERECTOMY.....	0.21	0.18	0.02	1.19	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

DRLANDD, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		DBS	PRED	SD	DBS	PRED	SD	DBS	PRED	SD
ALL CAUSES.....	26,369	8.8	8.7	0.3	13.5	13.0	0.4	16.9	16.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	977	22.3	26.1	1.8	25.6	29.3	1.9	27.7	32.7	2.1
CONGESTIVE HEART FAILURE.....	1,089	15.5	14.0	1.8	24.4	21.7	2.5	30.7	28.3	2.5
PNEUMONIA/INFLUENZA.....	900	16.9	15.8	2.3	23.8	21.6	2.9	28.1	26.2	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	396	9.1	6.7	2.2	14.6	11.9	3.3	19.7	16.5	3.6
TRANSIENT CEREBRAL ISCHEMIA.....	359	0.3	1.9	1.3	2.8	4.1	1.5	6.4	6.6	1.5
STROKE.....	884	18.9	20.2	2.4	25.8	26.4	2.4	30.0	30.8	2.1
HIP FRACTURE.....	753	8.0	6.4	1.7	12.5	11.5	2.4	16.7	14.9	3.0
SEPSIS.....	328	25.6	27.2	3.5	33.5	35.5	3.1	38.7	41.7	3.5
PROCEDURES:										
ANGIOPLASTY.....	598	2.7	3.0	0.8	4.5	4.0	1.0	5.2	5.1	0.9
CORONARY ARTERY BYPASS GRAFT.....	774	6.1	5.5	1.1	7.2	7.7	1.3	8.4	9.2	1.6
INITIAL PACEMAKER INSERTION.....	256	3.1	3.0	1.1	5.9	5.7	1.6	7.4	8.2	1.8
CARDIAC ENDARTERECTOMY.....	222	1.8	1.4	1.0	2.7	2.6	1.1	4.1	3.8	1.4
HIP REPLACEMENT/RECONSTRUCTION.....	581	3.3	2.8	0.8	5.5	5.3	1.1	7.7	7.2	1.2
OPEN REDUCTION OF HIP FRACTURE.....	404	6.9	6.0	1.5	12.9	11.1	2.8	17.1	14.6	3.9
PROSTATECTOMY.....	1,121	0.9	0.9	0.5	2.5	2.0	0.8	4.0	3.3	1.2
CHOLECYSTECTOMY.....	488	2.0	3.0	1.2	4.7	5.3	1.3	6.4	6.9	1.4
HYSTERECTOMY.....	211	0.5	0.7	0.6	1.4	1.4	1.0	1.9	2.1	1.0

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 122,783						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.44	28.42	0.15	0.90	0.00		4.33	4.49	0.06	0.96	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.80	0.89	0.03	0.90	0.03						
CONGESTIVE HEART FAILURE.....	1.27	1.72	0.04	0.74	0.02						
PNEUMONIA/INFLUENZA.....	0.95	1.18	0.03	0.80	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.51	0.53	0.02	0.98	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.33	0.42	0.02	0.77	0.03						
STROKE.....	0.84	0.94	0.03	0.90	0.03						
HIP FRACTURE.....	0.66	0.55	0.02	1.21	0.05						
SEPSIS.....	0.36	0.35	0.02	1.03	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.34	0.26	0.01	1.30	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.37	0.02	1.10	0.05						
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.01	1.11	0.07						
CARDIAC ENDARTERECTOMY.....	0.18	0.14	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.39	0.02	1.11	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.37	0.27	0.01	1.35	0.07						
PROSTATECTOMY.....	0.93	0.78	0.02	1.20	0.04						
CHOLECYSTECTOMY.....	0.42	0.45	0.02	0.92	0.04						
HYSTERECTOMY.....	0.16	0.17	0.01	0.94	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

PANAMA CITY, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,052	7.8	8.5	0.7	12.4	13.1	0.9	15.8	16.8	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	89	30.3	28.2	5.1	32.6	31.2	5.0	33.7	34.5	5.1
CONGESTIVE HEART FAILURE.....	166	19.3	14.4	4.2	28.9	22.4	5.3	34.3	29.1	4.9
PNEUMONIA/INFLUENZA.....	118	11.0	14.2	3.5	13.6	19.4	4.3	18.6	23.7	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	146	8.9	8.5	3.0	15.8	14.5	3.3	22.6	19.6	5.2
TRANSIENT CEREBRAL ISCHEMIA.....	126	0.8	1.7	1.5	3.2	3.6	1.9	4.8	5.8	2.5
STROKE.....	132	18.2	19.3	4.2	27.3	25.3	5.9	33.3	29.6	6.8
HIP FRACTURE.....	95	3.2	6.0	3.9	9.5	10.7	4.4	12.6	14.0	4.3
SEPSIS.....	53	28.3	26.4	6.7	32.1	35.0	7.0	37.7	41.6	7.6
PROCEDURES:										
ANGIOPLASTY.....	49	0.0	3.5	*	2.0	4.3	*	2.0	5.4	*
CORONARY ARTERY BYPASS GRAFT.....	57	7.0	5.7	4.1	10.5	7.9	4.6	10.5	9.4	4.9
INITIAL PACEMAKER INSERTION.....	21	4.8	3.0	*	4.8	6.3	*	4.8	9.4	*
CAROTID ENDARTERECTOMY.....	28	0.0	1.8	*	3.6	3.4	*	7.1	5.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	47	2.1	3.1	*	6.4	5.7	*	8.5	7.5	*
OPEN REDUCTION OF HIP FRACTURE.....	49	2.0	5.8	*	8.2	10.9	*	12.2	14.4	*
PROSTATECTOMY.....	118	0.8	1.0	0.9	2.5	2.3	1.6	3.4	3.7	1.9
CHOLECYSTECTOMY.....	83	0.0	3.1	*	1.2	5.6	*	1.2	7.3	*
HYSTERECTOMY.....	17	0.0	1.2	*	0.0	2.1	*	0.0	3.1	*

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,109						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.31	28.36	0.42	1.10	0.02		4.51	4.17	0.16	1.08	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.55	0.92	0.08	0.58	0.05						
CONGESTIVE HEART FAILURE.....	1.61	1.75	0.10	0.92	0.05						
PNEUMONIA/INFLUENZA.....	0.99	1.20	0.09	0.84	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1.30	0.59	0.06	2.16	0.23						
TRANSIENT CEREBRAL ISCHEMIA.....	0.83	0.47	0.05	1.77	0.21						
STROKE.....	0.91	0.95	0.08	0.98	0.08						
HIP FRACTURE.....	0.51	0.48	0.05	1.04	0.12						
SEPSIS.....	0.47	0.34	0.05	1.39	0.20						
PROCEDURES:											
ANGIOPLASTY.....	0.34	0.26	0.04	1.28	0.21						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.38	0.05	1.14	0.15						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.03	0.60	0.12						
CAROTID ENDARTERECTOMY.....	0.22	0.14	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.30	0.37	0.05	0.88	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.25	0.04	0.97	0.16						
PROSTATECTOMY.....	0.73	0.78	0.07	0.98	0.09						
CHOLECYSTECTOMY.....	0.47	0.48	0.05	0.96	0.11						
HYSTERECTOMY.....	0.16	0.16	0.03	1.04	0.23						

** QUANTITIES COULD NOT BE ESTIMATED

PENSACOLA, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,451	9.0	8.5	0.5	13.5	13.1	0.5	16.9	16.7	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	284	24.6	24.8	2.6	28.9	27.7	3.1	29.9	30.9	3.0
CONGESTIVE HEART FAILURE.....	424	17.2	13.8	2.9	25.7	21.8	3.2	31.6	28.4	3.5
PNEUMONIA/INFLUENZA.....	289	14.2	14.3	2.1	21.5	19.7	3.1	26.3	24.0	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	179	7.3	5.7	2.2	12.8	10.8	4.0	17.9	15.4	4.6
TRANSIENT CEREBRAL ISCHEMIA.....	130	0.8	1.7	1.4	2.3	3.8	2.3	4.6	6.1	3.1
STROKE.....	351	15.7	18.1	3.0	21.4	24.8	4.0	24.2	29.2	4.7
HIP FRACTURE.....	189	6.9	6.2	1.9	12.2	11.1	2.6	14.8	14.4	2.6
SEPSIS.....	136	26.5	27.1	4.3	39.0	35.2	5.8	41.9	41.1	4.6
PROCEDURES:										
ANGIOPLASTY.....	119	6.7	4.6	2.8	7.6	5.8	3.4	9.2	7.0	4.1
CORONARY ARTERY BYPASS GRAFT.....	232	6.0	5.0	1.5	6.9	6.9	1.8	6.9	8.2	1.9
INITIAL PACEMAKER INSERTION.....	98	5.1	3.1	2.9	7.1	5.7	4.0	10.2	8.2	5.3
CAROTID ENDOARTERECTOMY.....	43	2.3	1.7	*	2.3	3.2	*	4.7	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	155	3.9	2.6	1.7	7.1	4.9	2.7	8.4	6.6	3.5
OPEN REDUCTION OF HIP FRACTURE.....	106	4.7	5.2	2.3	6.6	9.8	4.3	9.4	13.0	4.9
PROSTATECTOMY.....	320	1.6	0.8	0.9	3.1	2.0	1.4	3.4	3.5	1.0
CHOLECYSTECTOMY.....	192	5.7	2.8	2.2	6.8	4.9	2.0	7.3	6.2	2.0
HYSTERECTOMY.....	76	2.6	0.6	1.8	2.6	1.2	2.3	2.6	1.8	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 41,776						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.83	29.72	0.27	1.00	0.01		4.52	4.46	0.10	1.02	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.79	0.92	0.05	0.87	0.04						
CONGESTIVE HEART FAILURE.....	1.69	1.86	0.07	0.91	0.03						
PNEUMONIA/INFLUENZA.....	0.98	1.25	0.05	0.79	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.75	0.60	0.04	1.25	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.48	0.03	0.78	0.06						
STROKE.....	0.94	0.99	0.05	0.95	0.05						
HIP FRACTURE.....	0.51	0.51	0.03	1.03	0.07						
SEPSIS.....	0.56	0.37	0.03	1.51	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.33	0.26	0.02	1.30	0.13						
CORONARY ARTERY BYPASS GRAFT.....	0.52	0.36	0.03	1.49	0.12						
INITIAL PACEMAKER INSERTION.....	0.25	0.19	0.02	1.32	0.15						
CAROTID ENDOARTERECTOMY.....	0.11	0.14	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.36	0.03	0.97	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.25	0.02	1.04	0.10						
PROSTATECTOMY.....	0.77	0.75	0.04	1.04	0.06						
CHOLECYSTECTOMY.....	0.48	0.47	0.03	1.03	0.07						
HYSTERECTOMY.....	0.16	0.16	0.02	0.98	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

SARASOTA, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,803	8.0	8.1	0.3	12.5	12.3	0.4	15.8	15.8	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	377	23.9	24.6	2.5	26.3	28.3	2.9	29.4	32.1	3.7
CONGESTIVE HEART FAILURE.....	303	13.9	14.3	2.1	25.1	22.0	3.0	30.0	28.8	2.8
PNEUMONIA/INFLUENZA.....	184	19.0	15.1	3.8	23.4	20.8	3.4	25.5	25.4	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	64	7.8	5.6	5.5	12.5	11.1	5.5	17.2	16.1	5.0
TRANSIENT CEREBRAL ISCHEMIA.....	61	0.0	1.7	2.2	0.0	3.8	4.0	3.3	6.1	4.0
STROKE.....	288	21.5	20.6	2.5	26.7	27.0	3.0	34.0	31.5	3.5
HIP FRACTURE.....	267	6.4	5.7	2.5	13.5	10.6	3.0	15.0	14.1	2.4
SEPSIS.....	103	12.6	22.6	6.4	23.3	31.0	6.2	34.0	37.5	5.1
PROCEDURES:										
ANGIOPLASTY.....	287	3.5	3.1	1.2	3.8	4.2	1.5	4.2	5.3	2.2
CORONARY ARTERY BYPASS GRAFT.....	309	6.1	5.8	1.4	8.1	8.4	2.0	9.1	10.1	2.4
INITIAL PACEMAKER INSERTION.....	67	3.0	2.7	2.5	3.0	5.5	3.9	6.0	8.3	4.8
CAROTID ENDOARTERECTOMY.....	60	6.7	1.3	2.6	8.3	2.3	3.2	8.3	3.4	3.6
HIP REPLACEMENT/RECONSTRUCTION.....	256	1.6	2.3	2.1	7.0	4.7	2.3	7.0	6.6	1.6
OPEN REDUCTION OF HIP FRACTURE.....	154	8.4	5.3	4.1	13.0	10.0	4.6	15.6	13.4	4.1
PROSTATECTOMY.....	496	0.8	1.0	0.5	2.4	2.3	1.1	3.2	3.8	1.3
CHOLECYSTECTOMY.....	126	3.2	2.9	1.8	6.3	4.9	3.1	7.9	6.3	3.5
HYSTERECTOMY.....	96	0.0	0.5	1.0	1.0	1.1	1.3	2.1	1.6	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 92,389						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.99	25.80	0.17	0.89	0.01		3.93	4.33	0.07	0.91	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.95	0.91	0.03	1.03	0.04						
CONGESTIVE HEART FAILURE.....	1.29	1.53	0.04	0.85	0.02						
PNEUMONIA/INFLUENZA.....	0.64	1.08	0.03	0.59	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.30	0.44	0.02	0.69	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.39	0.02	0.71	0.04						
STROKE.....	0.84	0.88	0.03	0.96	0.03						
HIP FRACTURE.....	0.63	0.57	0.02	1.10	0.05						
SEPSIS.....	0.34	0.31	0.02	1.10	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.42	0.29	0.02	1.46	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.45	0.42	0.02	1.07	0.05						
INITIAL PACEMAKER INSERTION.....	0.22	0.22	0.01	0.99	0.07						
CAROTID ENDOARTERECTOMY.....	0.15	0.14	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.46	0.02	1.12	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.28	0.02	1.26	0.08						
PROSTATECTOMY.....	1.12	0.94	0.03	1.19	0.04						
CHOLECYSTECTOMY.....	0.43	0.44	0.02	0.96	0.05						
HYSTERECTOMY.....	0.28	0.18	0.01	1.55	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

TALLAHASSEE, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,307	10.3	8.7	0.5	15.2	13.6	0.6	19.0	17.4	0.7
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	179	26.3	26.3	3.4	29.6	29.2	3.4	33.0	32.4	3.5
CONGESTIVE HEART FAILURE.....	287	11.8	11.9	3.3	22.0	18.9	4.2	26.8	25.0	3.7
PNEUMONIA/INFLUENZA.....	197	17.3	14.3	3.8	21.3	19.9	3.8	26.4	24.4	4.3
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	47	12.8	5.5	*	17.0	10.7	*	21.3	15.6	*
TRANSIENT CEREBRAL ISCHEMIA.....	61	3.3	1.6	2.1	3.3	3.5	3.7	8.2	5.6	5.6
STROKE.....	214	18.2	18.2	3.3	25.2	24.3	3.3	28.5	28.6	3.1
HIP FRACTURE.....	161	3.1	5.8	3.5	8.1	10.5	4.7	10.6	13.7	4.8
SEPSIS.....	72	30.6	21.8	9.4	34.7	29.9	8.1	40.3	36.0	7.3
PROCEQUIRES:										
ANGIOPLASTY.....	55	1.8	3.7	3.7	3.6	4.4	4.1	3.6	5.5	4.2
CORONARY ARTERY BYPASS GRAFT.....	153	7.2	4.9	3.1	9.8	6.7	3.9	11.1	8.0	4.9
INITIAL PACEMAKER INSERTION.....	56	7.1	2.6	5.0	7.1	5.1	7.5	12.5	7.4	8.5
CAROTIO ENOARTERECTDMY.....	48	2.1	1.4	*	2.1	2.7	*	2.1	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	91	4.4	3.7	2.7	7.7	7.2	3.0	8.8	9.8	3.4
OPEN REDUCTION OF HIP FRACTURE.....	64	3.1	5.4	3.6	6.3	10.1	5.8	10.9	13.3	5.2
PROSTATECTOMY.....	215	0.5	1.0	0.8	1.4	2.3	1.4	2.3	3.8	2.2
CHOLECYSTECTOMY.....	132	4.5	2.2	2.4	7.6	3.8	2.8	8.3	4.9	3.0
HYSTERECTOMY.....	44	0.0	0.5	*	2.3	1.1	*	2.3	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOD SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,624						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.95	28.98	0.35	0.83	0.01		4.40	4.71	0.14	0.93	0.03
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.68	0.78	0.06	0.86	0.06						
CONGESTIVE HEART FAILURE.....	1.45	1.86	0.09	0.78	0.04						
PNEUMONIA/INFLUENZA.....	0.99	1.19	0.07	0.81	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.28	0.49	0.05	0.58	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.44	0.04	0.65	0.06						
STROKE.....	0.87	1.03	0.07	0.85	0.05						
HIP FRACTURE.....	0.61	0.52	0.05	1.19	0.11						
SEPSIS.....	0.36	0.40	0.04	0.88	0.09						
PROCEQUIRES:											
ANGIDPLASTY.....	0.14	0.21	0.03	0.59	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.30	0.04	1.04	0.13						
INITIAL PACEMAKER INSERTION.....	0.20	0.18	0.03	1.12	0.18						
CAROTIO ENOARTERECTOMY.....	0.18	0.10	0.02	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.34	0.04	1.09	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.26	0.03	0.98	0.13						
PROSTATECTOMY.....	0.80	0.68	0.05	1.18	0.09						
CHOLECYSTECTOMY.....	0.48	0.38	0.04	1.26	0.14						
HYSTERECTOMY.....	0.17	0.15	0.02	1.15	0.21						

** QUANTITIES COULD NOT BE ESTIMATED

TAMPA-ST.PETERSBURG-CLEARWATER, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	54,130	9.3	9.0	0.2	14.4	13.6	0.3	18.1	17.3	0.2
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,710	28.6	27.0	1.6	33.4	30.4	1.7	36.6	33.9	1.8
CONGESTIVE HEART FAILURE.....	2,519	15.2	14.9	0.9	24.8	23.1	1.2	32.0	29.9	1.3
PNEUMONIA/INFLUENZA.....	1,661	16.8	16.4	1.3	23.4	22.3	1.4	27.8	27.1	1.9
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	883	7.8	7.6	1.5	14.2	13.4	1.6	18.9	18.4	1.6
TRANSIENT CEREBRAL ISCHEMIA.....	695	1.9	1.9	1.0	5.8	4.2	1.3	8.9	6.8	1.8
STROKE.....	2,138	19.9	20.3	0.9	26.7	27.1	1.0	32.0	31.6	1.0
HIP FRACTURE.....	1,499	6.2	6.6	0.7	12.9	11.9	1.0	16.7	15.5	1.4
SEPSIS.....	758	26.8	27.1	2.3	34.3	35.5	2.5	40.2	41.5	2.1
PROCEQURES:										
ANGIOPLASTY.....	344	2.0	2.6	1.1	2.3	3.4	1.5	2.6	4.3	2.0
CORONARY ARTERY BYPASS GRAFT.....	790	6.2	5.3	1.1	9.1	7.7	1.5	9.9	9.3	1.2
INITIAL PACEMAKER INSERTION.....	598	4.7	3.8	1.0	8.4	7.2	1.1	10.0	10.4	1.3
CAROTIO ENOARTERECTOMY.....	493	1.6	1.4	0.6	2.0	2.6	0.9	3.2	3.8	1.0
HIP REPLACEMENT/RECONSTRUCTION.....	966	3.5	3.6	0.6	7.6	6.9	1.1	10.1	9.3	1.7
OPEN REDUCTION OF HIP FRACTURE.....	771	6.1	6.1	1.0	13.4	11.5	1.7	17.0	15.1	2.4
PROSTATECTOMY.....	2,370	0.9	1.1	0.2	2.3	2.4	0.3	4.0	3.9	0.4
CHOLECYSTECTOMY.....	1,198	3.5	3.3	0.5	7.0	5.8	0.9	9.0	7.6	1.0
HYSTERECTOMY.....	497	0.8	0.7	0.5	1.2	1.5	0.7	1.8	2.2	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 447,421						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	25.32	27.78	0.08	0.91	0.00		4.40	4.53	0.03	0.97	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.79	0.95	0.01	0.83	0.01						
CONGESTIVE HEART FAILURE.....	1.44	1.68	0.02	0.86	0.01						
PNEUMONIA/INFLUENZA.....	0.74	1.23	0.02	0.60	0.01						
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.43	0.51	0.01	0.84	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.42	0.01	0.75	0.02						
STROKE.....	0.93	0.93	0.01	**	**						
HIP FRACTURE.....	0.60	0.59	0.01	1.02	0.02						
SEPSIS.....	0.37	0.33	0.01	1.11	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.27	0.01	0.63	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.39	0.01	0.86	0.02						
INITIAL PACEMAKER INSERTION.....	0.27	0.21	0.01	1.29	0.04						
CAROTIO ENOARTERECTOMY.....	0.19	0.14	0.01	1.00	0.04						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.44	0.01	0.96	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.29	0.01	1.03	0.03						
PROSTATECTOMY.....	1.00	0.86	0.01	1.17	0.02						
CHOLECYSTECTOMY.....	0.45	0.47	0.01	0.96	0.02						
HYSTERECTOMY.....	0.19	0.18	0.01	1.07	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

WEST PALM BEACH-BOCA RATON-DELRAY BEACH, FL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	30,197	9.1	9.5	0.2	14.2	14.3	0.4	17.7	18.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,145	22.5	25.9	1.9	27.0	29.5	2.3	29.3	33.0	2.1
CONGESTIVE HEART FAILURE.....	1,511	14.6	15.8	1.8	23.4	24.4	2.4	31.0	31.4	2.1
PNEUMONIA/INFLUENZA.....	881	17.3	16.6	2.0	24.0	22.5	2.6	28.1	27.1	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	367	8.4	7.6	1.8	13.4	12.9	1.8	18.3	17.6	2.4
TRANSIENT CEREBRAL ISCHEMIA.....	419	1.9	1.9	0.8	3.8	4.3	1.2	7.6	6.9	1.5
STROKE.....	1,201	17.3	21.2	1.5	23.8	28.1	1.6	27.2	32.6	1.8
HIP FRACTURE.....	936	5.8	7.1	1.2	11.9	12.5	1.2	15.2	16.0	1.4
SEPSIS.....	415	23.6	28.2	3.3	33.7	36.4	2.8	39.5	42.7	2.9
PROCEDURES:										
ANGIOPLASTY.....	206	3.4	4.0	2.3	4.4	5.0	2.3	5.3	6.3	2.3
CORONARY ARTERY BYPASS GRAFT.....	380	6.3	5.6	1.4	8.7	8.1	1.5	9.7	9.6	1.6
INITIAL PACEMAKER INSERTION.....	398	1.8	3.7	1.5	5.5	6.9	1.7	8.3	9.7	1.9
CAROTID ENDARTERECTOMY.....	108	1.9	1.4	1.2	3.7	2.7	1.8	3.7	4.0	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	699	3.6	3.2	0.8	6.2	6.0	0.9	7.6	8.1	1.2
OPEN REDUCTION OF HIP FRACTURE.....	523	4.2	6.7	2.6	11.1	12.4	2.7	14.5	16.1	2.5
PROSTATECTOMY.....	1,409	1.3	1.1	0.4	3.1	2.4	0.7	4.5	4.0	0.8
CHOLECYSTECTOMY.....	571	1.9	3.3	1.4	5.3	5.7	1.4	6.8	7.3	1.2
HYSTERECTOMY.....	264	0.4	0.7	0.5	0.4	1.5	1.1	0.8	2.2	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 198,921										
	ADMISSION						MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.97	24.87	0.11	0.92	0.00		3.90	4.33	0.05	0.90	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.84	0.02	**	**						
CONGESTIVE HEART FAILURE.....	1.27	1.47	0.03	0.86	0.02						
PNEUMONIA/INFLUENZA.....	0.59	0.97	0.02	0.61	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.30	0.38	0.01	0.78	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.36	0.01	0.80	0.03						
STROKE.....	0.77	0.86	0.02	0.90	0.02						
HIP FRACTURE.....	0.57	0.56	0.02	1.01	0.03						
SEPSIS.....	0.32	0.32	0.01	**	**						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.28	0.01	0.81	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.45	0.41	0.01	1.10	0.04						
INITIAL PACEMAKER INSERTION.....	0.27	0.21	0.01	1.26	0.06						
CAROTID ENDARTERECTOMY.....	0.08	0.13	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.45	0.01	0.99	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.28	0.01	1.09	0.05						
PROSTATECTOMY.....	0.86	0.92	0.02	0.94	0.02						
CHOLECYSTECTOMY.....	0.36	0.40	0.01	0.90	0.03						
HYSTERECTOMY.....	0.16	0.17	0.01	0.91	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

FL-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	79,718	9.2	9.1	0.2	14.0	13.7	0.2	17.4	17.4	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,751	27.3	27.3	1.1	31.9	30.5	1.0	34.6	33.9	1.0
CONGESTIVE HEART FAILURE.....	4,374	14.4	14.9	1.0	22.9	23.0	1.1	29.4	29.7	1.1
PNEUMONIA/INFLUENZA.....	3,018	14.6	15.9	1.3	20.9	21.6	1.3	24.9	26.2	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,318	9.3	7.4	1.1	13.8	12.7	1.1	17.9	17.4	1.1
TRANSIENT CEREBRAL ISCHEMIA.....	1,295	1.8	1.9	0.5	4.2	4.2	0.6	6.3	6.6	0.7
STROKE.....	3,374	21.0	20.7	0.7	27.0	27.3	0.8	30.9	31.8	1.1
HIP FRACTURE.....	2,091	6.4	6.9	0.9	11.3	12.2	1.5	14.3	15.7	1.8
SEPSIS.....	1,038	23.8	26.4	2.7	32.7	34.4	2.4	39.3	40.3	1.9
PROCEDURES:										
ANGIOPLASTY.....	125	3.2	2.8	1.5	4.0	3.6	1.7	4.8	4.5	1.9
CORONARY ARTERY BYPASS GRAFT.....	308	6.5	5.4	1.6	8.8	7.6	1.7	9.7	9.0	1.7
INITIAL PACEMAKER INSERTION.....	866	3.1	3.8	1.0	6.9	6.9	1.0	9.9	9.7	1.0
CAROTID ENDARTERECTOMY.....	418	0.5	1.5	0.8	1.2	2.8	1.1	1.9	4.2	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	1,508	3.2	3.2	0.5	6.0	6.0	0.7	7.7	8.1	0.9
OPEN REDUCTION OF HIP FRACTURE.....	1,056	6.5	6.3	0.8	10.8	11.6	1.4	13.5	15.1	1.8
PROSTATECTOMY.....	4,117	0.8	0.9	0.2	1.8	2.1	0.4	3.1	3.4	0.4
CHOLECYSTECTOMY.....	1,872	2.8	2.8	0.4	4.6	4.8	0.6	5.8	6.2	0.8
HYSTERECTOMY.....	837	0.5	0.7	0.4	1.7	1.4	0.5	2.7	2.2	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 245,816						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.65	28.71	0.11	0.93	0.00		4.14	4.30	0.04	0.96	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.94	1.00	0.02	0.94	0.02						
CONGESTIVE HEART FAILURE.....	1.61	1.71	0.03	0.94	0.01						
PNEUMONIA/INFLUENZA.....	1.04	1.32	0.02	0.78	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.50	0.59	0.02	0.84	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.46	0.01	0.88	0.03						
STROKE.....	0.92	0.96	0.02	0.96	0.02						
HIP FRACTURE.....	0.50	0.52	0.01	0.97	0.03						
SEPSIS.....	0.31	0.34	0.01	0.91	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.34	0.30	0.01	1.14	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.45	0.43	0.01	1.04	0.03						
INITIAL PACEMAKER INSERTION.....	0.23	0.20	0.01	1.10	0.05						
CAROTID ENDARTERECTOMY.....	0.15	0.16	0.01	1.00	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.41	0.01	1.01	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.26	0.01	0.97	0.04						
PROSTATECTOMY.....	1.01	0.92	0.02	1.10	0.02						
CHOLECYSTECTOMY.....	0.48	0.52	0.01	0.94	0.03						
HYSTERECTOMY.....	0.19	0.18	0.01	1.08	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

ALBANY, GA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,034	8.8	7.9	0.6	13.6	12.6	0.7	17.5	16.2	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	87	18.4	26.3	6.7	24.1	29.7	6.1	25.3	32.9	7.0
CONGESTIVE HEART FAILURE.....	168	13.1	13.6	2.7	24.4	21.3	4.1	31.5	27.9	6.0
PNEUMONIA/INFLUENZA.....	115	19.1	16.6	4.2	28.7	22.6	6.1	33.0	27.5	7.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	58	6.9	7.7	3.7	12.1	13.5	4.7	17.2	18.6	5.2
TRANSIENT CEREBRAL ISCHEMIA.....	46	4.3	1.6	*	6.5	3.7	*	10.9	5.9	*
STROKE.....	122	23.0	21.4	4.1	30.3	28.5	5.5	36.9	33.1	6.5
HIP FRACTURE.....	101	12.9	7.1	3.5	16.8	12.6	4.5	25.7	16.2	5.5
SEPSIS.....	38	23.7	27.4	*	31.6	36.2	*	42.1	42.7	*
PROCEDURES:										
ANGIDPLASTY.....	6	0.0	4.3	*	0.0	5.0	*	0.0	5.9	*
CORONARY ARTERY BYPASS GRAFT.....	33	3.0	4.9	*	3.0	6.5	*	6.1	7.5	*
INITIAL PACEMAKER INSERTION.....	32	6.3	3.1	*	9.4	5.9	*	12.5	8.5	*
CAROTIO ENOARTERECTOMY.....	30	0.0	1.5	*	3.3	2.7	*	6.7	4.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	66	4.5	3.6	2.4	9.1	6.6	4.3	12.1	8.7	6.3
OPEN REDUCTION OF HIP FRACTURE.....	51	19.6	6.6	6.3	21.6	12.1	6.6	29.4	15.7	7.5
PROSTATECTOMY.....	153	1.3	0.7	0.9	2.0	1.6	1.4	3.9	2.7	2.0
CHOLECYSTECTOMY.....	97	3.1	3.0	2.4	6.2	5.4	2.7	8.2	7.0	2.9
HYSTERECTOMY.....	28	3.6	0.4	*	3.6	1.0	*	3.6	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 12,670						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.84	32.14	0.50	0.93	0.01		4.66	4.94	0.20	0.94	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.58	0.83	0.08	0.73	0.07						
CONGESTIVE HEART FAILURE.....	1.61	2.11	0.13	0.78	0.05						
PNEUMONIA/INFLUENZA.....	1.07	1.26	0.10	0.85	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.47	0.57	0.07	0.83	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.47	0.06	0.82	0.11						
STROKE.....	0.88	1.14	0.09	0.77	0.06						
HIP FRACTURE.....	0.49	0.48	0.06	1.02	0.13						
SEPSIS.....	0.36	0.44	0.06	0.79	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.08	0.20	0.04	0.36	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.20	0.29	0.05	0.62	0.10						
INITIAL PACEMAKER INSERTION.....	0.17	0.18	0.04	0.93	0.20						
CAROTIO ENOARTERECTOMY.....	0.16	0.10	0.03	1.00	0.31						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.30	0.05	1.21	0.20						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.24	0.04	1.07	0.20						
PROSTATECTOMY.....	0.74	0.67	0.07	1.12	0.12						
CHOLECYSTECTOMY.....	0.51	0.41	0.06	1.27	0.18						
HYSTERECTOMY.....	0.15	0.15	0.03	1.21	0.30						

** QUANTITIES COULD NOT BE ESTIMATED

ATHENS, GA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,738	8.5	8.1	0.4	12.9	12.6	0.6	15.9	16.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	128	22.7	24.8	4.6	28.9	28.0	5.2	31.3	31.3	4.2
CONGESTIVE HEART FAILURE.....	170	18.2	14.2	4.2	25.3	22.3	4.8	30.0	29.0	3.6
PNEUMONIA/INFLUENZA.....	169	16.0	16.1	3.0	20.1	21.9	3.6	23.1	26.5	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	84	8.3	8.3	3.1	11.9	13.9	5.2	15.5	18.9	6.8
TRANSIENT CEREBRAL ISCHEMIA.....	74	0.0	1.6	2.3	2.7	3.5	2.6	6.8	5.5	3.5
STROKE.....	147	15.0	21.2	4.8	22.4	28.1	4.5	27.2	32.8	4.8
HIP FRACTURE.....	113	6.2	6.1	2.6	11.5	10.8	3.5	11.5	13.9	4.0
SEPSIS.....	34	17.6	24.9	*	26.5	33.7	*	38.2	39.8	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	28	3.6	3.1	*	14.3	6.3	*	17.9	9.4	*
CARDIAC ENDARTERECTOMY.....	19	5.3	1.2	*	5.3	2.3	*	5.3	3.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	79	2.5	2.9	1.9	5.1	5.3	2.9	5.1	7.1	3.1
OPEN REDUCTION OF HIP FRACTURE.....	56	8.9	5.4	4.6	16.1	10.0	7.3	16.1	13.0	8.0
PROSTATECTOMY.....	176	2.3	1.0	1.8	2.8	2.4	1.9	4.0	4.0	2.6
CHOLECYSTECTOMY.....	91	4.4	2.6	2.2	4.4	4.5	2.2	5.5	5.8	2.6
HYSTERECTOMY.....	27	0.0	0.6	*	0.0	1.4	*	3.7	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,911						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.66	30.69	0.41	1.10	0.01		4.54	4.79	0.16	0.95	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.90	0.07	0.99	0.08						
CONGESTIVE HEART FAILURE.....	1.70	1.96	0.10	0.87	0.05						
PNEUMONIA/INFLUENZA.....	1.36	1.30	0.09	1.04	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.60	0.55	0.06	1.09	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.43	0.05	0.93	0.11						
STROKE.....	0.91	1.04	0.08	0.87	0.06						
HIP FRACTURE.....	0.59	0.55	0.06	1.07	0.11						
SEPSIS.....	0.31	0.38	0.05	0.78	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.31	0.20	0.04	1.37	0.27						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.31	0.04	0.96	0.14						
INITIAL PACEMAKER INSERTION.....	0.15	0.18	0.03	0.83	0.17						
CARDIAC ENDARTERECTOMY.....	0.08	0.10	0.02	1.00	0.32						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.35	0.04	0.98	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.28	0.04	1.00	0.16						
PROSTATECTOMY.....	0.87	0.68	0.06	1.25	0.12						
CHOLECYSTECTOMY.....	0.45	0.45	0.05	0.98	0.12						
HYSTERECTOMY.....	0.12	0.16	0.03	1.26	0.29						

** QUANTITIES COULD NOT BE ESTIMATED

ATLANTA, GA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	59,120	7.8	8.0	0.2	12.3	12.2	0.3	15.5	15.7	0.2
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,513	24.7	27.7	1.8	28.8	30.9	2.0	31.1	34.4	2.0
CONGESTIVE HEART FAILURE.....	2,338	12.9	14.2	1.4	21.4	22.2	1.7	27.8	28.9	1.8
PNEUMONIA/INFLUENZA.....	2,357	15.8	15.3	0.9	21.2	20.9	0.9	24.7	25.4	1.0
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	905	8.2	7.3	1.2	13.8	12.7	1.5	18.1	17.4	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	905	2.0	1.7	0.5	4.1	3.7	0.7	6.1	5.8	0.8
STROKE.....	1,863	18.6	19.5	1.2	26.1	25.8	1.1	30.4	30.2	1.2
HIP FRACTURE.....	1,294	6.0	6.5	1.0	10.9	11.5	1.1	14.6	14.8	1.0
SEPSIS.....	624	29.0	27.4	2.2	37.3	35.1	2.9	42.1	41.0	2.5
PROCEQURES:										
ANGIOPLASTY.....	695	0.9	1.7	0.8	1.7	2.4	0.9	2.6	3.3	0.9
CORONARY ARTERY BYPASS GRAFT.....	809	6.2	4.8	1.3	8.3	7.0	1.3	9.4	8.4	1.3
INITIAL PACEMAKER INSERTION.....	360	3.9	3.4	1.5	7.8	6.3	1.7	10.8	9.0	2.2
CAROTID ENOARTERECTOMY.....	309	1.3	1.4	0.7	2.3	2.7	1.1	5.2	3.9	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	858	2.7	3.5	1.1	5.8	6.5	1.1	8.4	8.7	1.0
OPEN REDUCTION OF HIP FRACTURE.....	641	6.1	5.8	1.0	10.3	10.7	1.3	14.4	14.0	1.5
PROSTATECTOMY.....	1,590	0.6	0.9	0.5	1.9	2.1	0.4	3.6	3.5	0.5
CHOLECYSTECTOMY.....	917	1.7	2.8	1.0	4.1	4.8	1.1	5.8	6.2	1.0
HYSTERECTOMY.....	363	0.0	0.5	0.6	0.6	1.1	0.7	0.6	1.7	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 255,265						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	33.22	28.45	0.11	1.17	0.00		4.64	4.64	0.04	**	**
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.81	0.02	1.09	0.02						
CONGESTIVE HEART FAILURE.....	1.67	1.80	0.03	0.93	0.01						
PNEUMONIA/INFLUENZA.....	1.39	1.07	0.02	1.30	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.66	0.48	0.01	1.37	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.47	0.40	0.01	1.18	0.04						
STROKE.....	0.99	0.97	0.02	1.02	0.02						
HIP FRACTURE.....	0.67	0.53	0.01	1.26	0.03						
SEPSIS.....	0.41	0.37	0.01	1.10	0.04						
PROCEQURES:											
ANGIOPLASTY.....	0.30	0.21	0.01	1.37	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.31	0.01	1.18	0.04						
INITIAL PACEMAKER INSERTION.....	0.18	0.18	0.01	0.95	0.05						
CAROTID ENOARTERECTOMY.....	0.14	0.10	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.35	0.01	1.14	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.26	0.01	1.26	0.05						
PROSTATECTOMY.....	0.75	0.67	0.02	1.12	0.03						
CHOLECYSTECTOMY.....	0.44	0.39	0.01	1.13	0.04						
HYSTERECTOMY.....	0.16	0.16	0.01	1.02	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

AUGUSTA, GA-SC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,142	8.5	9.0	0.4	13.4	13.6	0.5	17.1	17.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	310	21.9	26.4	3.4	25.2	29.6	3.4	28.4	33.1	3.6
CONGESTIVE HEART FAILURE.....	385	11.4	13.4	2.3	22.9	20.8	4.3	29.1	27.1	2.7
PNEUMONIA/INFLUENZA.....	440	15.9	16.1	1.9	21.6	21.9	2.0	26.4	26.6	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	135	6.7	6.9	2.3	11.1	11.8	2.9	16.3	16.2	3.2
TRANSIENT CEREBRAL ISCHEMIA.....	127	3.9	1.7	1.9	7.1	3.7	2.9	9.4	5.9	3.7
STROKE.....	378	20.4	20.7	2.1	28.6	27.1	2.7	33.9	31.5	2.8
HIP FRACTURE.....	201	6.0	6.6	2.0	10.9	11.5	2.4	15.4	14.7	2.7
SEPSIS.....	173	26.6	27.1	3.5	33.5	35.0	4.0	38.7	41.0	4.2
PROCEDURES:										
ANGIOPLASTY.....	207	3.4	2.9	1.5	4.8	3.8	1.6	5.8	4.9	1.8
CORONARY ARTERY BYPASS GRAFT.....	153	11.8	5.4	3.1	13.1	7.5	3.1	14.4	8.8	3.3
INITIAL PACEMAKER INSERTION.....	181	1.7	2.5	2.2	6.1	4.9	1.9	7.2	7.4	1.9
CAROTID ENDARTERECTOMY.....	19	0.0	1.4	*	0.0	2.4	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	148	3.4	4.3	2.6	7.4	8.0	2.7	10.1	10.5	2.6
OPEN REDUCTION OF HIP FRACTURE.....	91	4.4	5.9	3.4	8.8	10.9	4.3	14.3	14.2	3.7
PROSTATECTOMY.....	175	1.7	1.0	1.0	1.7	2.1	1.1	3.4	3.3	1.4
CHOLECYSTECTOMY.....	162	3.1	2.3	1.5	4.3	4.2	1.7	4.3	5.7	2.2
HYSTERECTOMY.....	51	2.0	0.8	2.4	5.9	1.7	2.8	7.8	2.5	3.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 45,884						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.84	31.12	0.26	0.96	0.01		4.82	4.58	0.10	1.05	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.80	0.87	0.04	0.91	0.05						
CONGESTIVE HEART FAILURE.....	1.44	1.97	0.07	0.74	0.02						
PNEUMONIA/INFLUENZA.....	1.27	1.20	0.05	1.07	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.49	0.60	0.04	0.81	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.46	0.03	0.80	0.06						
STROKE.....	1.04	1.07	0.05	0.98	0.04						
HIP FRACTURE.....	0.48	0.48	0.03	1.06	0.07						
SEPSIS.....	0.52	0.40	0.03	1.27	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.49	0.22	0.02	2.29	0.24						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.32	0.03	1.10	0.09						
INITIAL PACEMAKER INSERTION.....	0.41	0.18	0.02	2.31	0.27						
CAROTID ENDARTERECTOMY.....	0.05	0.13	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.31	0.03	1.10	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.24	0.02	1.02	0.10						
PROSTATECTOMY.....	0.37	0.69	0.04	0.55	0.03						
CHOLECYSTECTOMY.....	0.36	0.44	0.03	0.81	0.06						
HYSTERECTOMY.....	0.11	0.15	0.02	0.83	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

CHATTANOOGA, TN-GA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	14,635	8.9	8.8	0.2	13.6	13.4	0.3	17.3	16.9	0.5
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	395	28.9	26.8	2.9	31.6	29.8	2.6	32.9	33.1	2.5
CONGESTIVE HEART FAILURE.....	677	14.2	14.8	1.4	21.1	22.8	1.8	29.0	29.4	1.8
PNEUMONIA/INFLUENZA.....	631	14.9	15.4	1.7	23.6	21.0	2.2	27.4	25.4	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	226	8.4	7.9	2.3	11.5	13.6	3.9	14.6	18.5	5.1
TRANSIENT CEREBRAL ISCHEMIA.....	255	2.0	1.8	0.8	5.1	4.0	1.6	7.1	6.3	2.0
STROKE.....	536	17.9	20.2	2.9	25.0	26.5	3.5	27.1	30.9	4.0
HIP FRACTURE.....	349	5.2	6.9	2.9	10.3	12.1	3.4	13.8	15.5	3.0
SEPSIS.....	171	25.7	26.8	3.5	33.9	34.9	4.0	39.2	40.9	4.1
PROCEDURES:										
ANGIOPLASTY.....	88	0.0	3.1	3.5	0.0	4.0	4.3	2.3	5.1	3.4
CORONARY ARTERY BYPASS GRAFT.....	190	4.7	5.5	1.8	8.4	7.8	2.3	8.4	9.2	2.3
INITIAL PACEMAKER INSERTION.....	54	1.9	3.6	3.5	3.7	6.6	5.0	7.4	9.5	5.4
CAROTID ENDOARTERECTOMY.....	56	1.8	1.4	1.7	3.6	2.5	2.7	3.6	3.8	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	236	2.5	3.8	1.9	5.9	6.8	2.6	8.1	9.0	2.2
OPEN REDUCTION OF HIP FRACTURE.....	201	5.5	6.3	2.7	9.5	11.5	3.6	13.9	14.9	2.9
PROSTATECTOMY.....	396	1.3	0.8	0.7	2.5	2.0	1.0	4.0	3.4	1.4
CHOLECYSTECTOMY.....	295	3.7	2.8	1.3	6.1	4.9	2.0	7.8	6.4	2.7
HYSTERECTOMY.....	142	0.7	0.5	0.8	1.4	1.2	1.2	2.1	1.9	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 63,766					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.91	30.20	0.22	1.06	0.01	4.87	4.68	0.09	1.04	0.02
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.94	0.04	0.90	0.04					
CONGESTIVE HEART FAILURE.....	1.73	1.88	0.05	0.92	0.03					
PNEUMONIA/INFLUENZA.....	1.44	1.29	0.04	1.11	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.60	0.58	0.03	1.04	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.46	0.03	1.03	0.06					
STROKE.....	1.10	1.01	0.04	1.09	0.04					
HIP FRACTURE.....	0.65	0.57	0.03	1.14	0.06					
SEPSIS.....	0.40	0.36	0.02	1.11	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.16	0.22	0.02	0.72	0.06					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.33	0.02	1.10	0.08					
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.02	0.57	0.05					
CAROTID ENDOARTERECTOMY.....	0.09	0.12	0.01	1.00	0.13					
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.38	0.02	1.11	0.07					
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.28	0.02	1.26	0.10					
PROSTATECTOMY.....	0.71	0.71	0.03	0.99	0.05					
CHOLECYSTECTOMY.....	0.53	0.47	0.03	1.15	0.07					
HYSTERECTOMY.....	0.19	0.17	0.02	1.17	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

MACON-WARNER ROBINS, GA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,250	8.8	7.6	0.4	13.6	11.6	0.6	16.8	14.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	218	27.1	23.1	4.5	33.5	26.1	4.2	37.2	29.3	4.3
CONGESTIVE HEART FAILURE.....	396	14.1	12.9	2.9	22.5	20.3	3.0	28.5	26.5	4.0
PNEUMONIA/INFLUENZA.....	363	17.6	14.5	3.0	24.0	19.8	3.7	27.8	24.1	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	154	7.8	7.3	2.4	10.4	12.7	3.5	13.6	17.2	4.3
TRANSIENT CEREBRAL ISCHEMIA.....	174	1.1	1.6	1.4	2.3	3.5	2.1	4.6	5.5	2.3
STROKE.....	290	22.1	18.8	4.3	26.9	24.8	3.4	30.0	29.1	3.1
HIP FRACTURE.....	246	7.7	6.3	2.1	11.8	10.9	3.0	15.9	14.1	3.8
SEPSIS.....	130	27.7	25.2	4.8	37.7	33.2	6.0	41.5	38.9	7.2
PROCEDURES:										
ANGIOPLASTY.....	37	5.4	2.2	*	8.1	2.9	*	8.1	3.9	*
CORONARY ARTERY BYPASS GRAFT.....	129	4.7	5.6	3.1	6.2	7.8	4.1	6.2	9.1	4.6
INITIAL PACEMAKER INSERTION.....	103	4.9	3.1	3.1	13.6	6.1	4.3	14.6	9.0	5.0
CAROTID ENDARTERECTOMY.....	83	1.2	1.3	1.3	3.6	2.4	2.0	4.8	3.5	2.8
HIP REPLACEMENT/RECONSTRUCTION.....	156	6.4	4.2	2.4	9.6	7.2	3.3	12.2	9.3	4.7
OPEN REDUCTION OF HIP FRACTURE.....	100	10.0	5.4	3.7	15.0	10.0	5.1	18.0	13.2	5.0
PROSTATECTOMY.....	199	1.5	0.8	1.0	3.5	1.9	1.6	5.0	3.2	2.0
CHOLECYSTECTOMY.....	176	2.8	1.7	2.1	5.1	3.0	2.9	5.7	4.1	3.5
HYSTERECTOMY.....	65	0.0	0.6	1.4	0.0	1.3	2.7	3.1	1.9	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 35,764						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.97	31.76	0.30	1.01	0.01		4.95	4.82	0.12	1.03	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.85	0.05	0.93	0.05						
CONGESTIVE HEART FAILURE.....	1.81	2.09	0.08	0.86	0.03						
PNEUMONIA/INFLUENZA.....	1.33	1.21	0.06	1.11	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.72	0.57	0.04	1.25	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.57	0.45	0.04	1.24	0.10						
STROKE.....	0.96	1.11	0.06	0.89	0.04						
HIP FRACTURE.....	0.64	0.50	0.04	1.27	0.10						
SEPSIS.....	0.51	0.44	0.03	1.15	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.21	0.02	0.79	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.45	0.30	0.03	1.52	0.15						
INITIAL PACEMAKER INSERTION.....	0.29	0.18	0.02	1.59	0.20						
CAROTID ENDARTERECTOMY.....	0.20	0.10	0.02	1.00	0.17						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.30	0.03	1.20	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.26	0.03	1.15	0.12						
PROSTATECTOMY.....	0.53	0.65	0.04	0.81	0.05						
CHOLECYSTECTOMY.....	0.46	0.42	0.03	1.13	0.09						
HYSTERECTOMY.....	0.16	0.15	0.02	1.10	0.16						

** QUANTITIES COULD NOT BE ESTIMATED

SAVANNAH, GA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	8,952	7.5	8.3	0.4	12.7	12.9	0.7	16.0	16.6	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	224	22.8	26.9	4.9	25.0	30.0	4.9	28.6	33.3	4.5
CONGESTIVE HEART FAILURE.....	393	10.2	14.0	2.9	19.6	22.0	2.6	26.5	28.7	2.8
PNEUMONIA/INFLUENZA.....	341	12.3	14.5	2.6	20.5	19.9	2.2	23.8	24.4	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	158	6.3	7.3	2.3	13.9	13.0	3.5	17.1	17.9	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	147	0.7	1.6	1.3	1.4	3.4	2.0	4.8	5.4	2.6
STROKE.....	347	17.0	18.9	2.7	26.2	25.3	2.5	30.8	29.6	3.0
HIP FRACTURE.....	197	6.1	6.8	1.9	12.2	12.2	2.7	18.3	16.0	3.8
SEPSIS.....	90	38.9	27.0	6.7	47.8	36.4	8.1	57.8	43.2	8.2
PROCEDURES:										
ANGIOPLASTY.....	70	5.7	5.1	2.8	7.1	6.2	3.0	8.6	7.4	3.4
CORONARY ARTERY BYPASS GRAFT.....	171	4.7	5.6	3.2	5.3	7.8	4.3	6.4	9.3	4.9
INITIAL PACEMAKER INSERTION.....	63	1.6	3.3	3.3	4.8	6.5	5.1	6.3	9.6	5.9
CARDIAC ENDARTERECTOMY.....	49	0.0	1.5	*	2.0	3.0	*	2.0	4.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	133	1.5	2.8	1.9	3.0	5.5	3.1	4.5	7.5	3.7
OPEN REDUCTION OF HIP FRACTURE.....	94	6.4	6.7	2.6	13.8	12.5	3.6	19.1	16.4	4.7
PROSTATECTOMY.....	295	1.4	1.1	0.7	2.0	2.7	1.2	2.7	4.4	1.8
CHOLECYSTECTOMY.....	167	7.2	3.6	2.1	10.8	6.2	3.0	12.6	8.0	3.2
HYSTERECTOMY.....	56	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 32,856						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.98	30.41	0.30	1.02	0.01		4.67	4.75	0.12	0.98	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.69	0.83	0.05	0.82	0.05						
CONGESTIVE HEART FAILURE.....	1.87	1.97	0.08	0.95	0.04						
PNEUMONIA/INFLUENZA.....	1.35	1.14	0.06	1.19	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.71	0.52	0.04	1.33	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.44	0.04	0.95	0.08						
STROKE.....	1.10	1.07	0.06	1.01	0.05						
HIP FRACTURE.....	0.58	0.49	0.04	1.16	0.09						
SEPSIS.....	0.43	0.41	0.04	1.10	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.22	0.03	0.79	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.31	0.03	1.29	0.13						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.02	0.88	0.12						
CARDIAC ENDARTERECTOMY.....	0.12	0.11	0.02	1.00	0.19						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.33	0.03	0.96	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.24	0.03	1.13	0.13						
PROSTATECTOMY.....	0.82	0.71	0.05	1.15	0.08						
CHOLECYSTECTOMY.....	0.49	0.40	0.03	1.20	0.11						
HYSTERECTOMY.....	0.15	0.15	0.02	1.12	0.17						

** QUANTITIES COULD NOT BE ESTIMATED

GA-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	59,888	9.3	8.7	0.2	13.7	13.2	0.3	17.0	16.8	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,739	32.1	27.6	1.6	36.2	30.9	1.9	39.1	34.4	1.7
CONGESTIVE HEART FAILURE.....	2,924	14.6	14.2	0.7	22.4	22.1	0.9	27.9	28.8	1.0
PNEUMONIA/INFLUENZA.....	3,427	14.2	15.0	0.9	19.6	20.7	0.8	23.4	25.1	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,216	7.3	6.9	0.9	11.9	12.2	1.3	16.3	16.8	1.6
TRANSIENT CEREBRAL ISCHEMIA.....	1,047	2.2	1.8	0.5	4.4	4.1	0.8	7.4	6.5	1.4
STROKE.....	2,372	23.6	20.4	1.2	30.8	26.9	1.4	35.0	31.3	1.4
HIP FRACTURE.....	1,122	6.8	6.5	0.8	11.2	11.4	1.0	14.7	14.7	1.1
SEPSIS.....	712	27.4	26.2	2.3	34.6	33.7	1.9	39.7	39.6	1.9
PROCEDURES:										
ANGIOPLASTY.....	37	2.7	2.1	*	2.7	2.7	*	2.7	3.5	*
CORONARY ARTERY BYPASS GRAFT.....	114	4.4	5.2	2.7	7.0	7.3	2.6	8.8	8.6	2.6
INITIAL PACEMAKER INSERTION.....	340	2.4	2.8	1.0	5.6	5.4	1.3	7.6	8.0	1.7
CAROTID ENDARTERECTOMY.....	203	1.0	1.4	1.1	1.5	2.6	1.6	3.0	3.8	1.9
HIP REPLACEMENT/RECONSTRUCTION.....	544	3.7	4.0	0.9	7.2	7.3	1.1	9.2	9.6	1.4
OPEN REDUCTION OF HIP FRACTURE.....	563	6.4	6.0	1.1	10.7	11.1	1.4	14.6	14.5	1.5
PROSTATECTOMY.....	1,195	1.1	1.0	0.4	2.8	2.3	0.8	4.8	3.8	1.2
CHOLECYSTECTOMY.....	1,137	3.6	2.6	0.9	5.1	4.6	0.8	6.4	6.0	0.8
HYSTERECTOMY.....	310	1.0	0.5	0.8	1.3	1.0	1.3	2.3	1.5	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 330,860						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	36.21	32.89	0.10	1.10	0.00		4.82	4.83	0.04	1.00	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.97	0.02	1.03	0.02						
CONGESTIVE HEART FAILURE.....	1.88	2.09	0.02	0.90	0.01						
PNEUMONIA/INFLUENZA.....	1.76	1.46	0.02	1.21	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.80	0.64	0.01	1.23	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.54	0.49	0.01	1.07	0.03						
STROKE.....	1.20	1.12	0.02	1.08	0.02						
HIP FRACTURE.....	0.59	0.54	0.01	1.09	0.03						
SEPSIS.....	0.41	0.40	0.01	1.01	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.21	0.01	1.17	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.33	0.01	1.13	0.04						
INITIAL PACEMAKER INSERTION.....	0.25	0.19	0.01	1.35	0.06						
CAROTID ENDARTERECTOMY.....	0.15	0.12	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.34	0.01	1.02	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.01	1.10	0.04						
PROSTATECTOMY.....	0.65	0.71	0.01	0.92	0.02						
CHOLECYSTECTOMY.....	0.55	0.50	0.01	1.11	0.03						
HYSTERECTOMY.....	0.15	0.16	0.01	0.88	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

HONOLULU, HI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,624	8.3	9.5	0.4	13.2	14.4	0.4	16.8	18.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	390	17.2	25.0	3.1	20.8	28.3	3.3	22.8	31.7	3.4
CONGESTIVE HEART FAILURE.....	498	12.2	15.0	2.8	20.7	23.2	3.5	26.5	30.0	3.8
PNEUMONIA/INFLUENZA.....	428	11.2	14.9	2.9	16.8	20.5	3.4	21.0	24.8	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	116	9.5	7.2	3.4	13.8	12.6	4.4	19.0	17.3	4.0
TRANSIENT CEREBRAL ISCHEMIA.....	153	0.0	1.8	1.7	0.7	4.0	2.6	2.0	6.3	2.9
STROKE.....	641	16.8	21.6	2.1	21.8	28.0	2.6	25.6	32.4	2.6
HIP FRACTURE.....	308	3.6	6.6	2.3	8.4	11.9	3.1	11.0	15.4	3.6
SEPSIS.....	172	23.3	23.2	3.5	32.0	30.8	3.7	39.0	36.5	5.1
PROCEDURES:										
ANGIOPLASTY.....	165	2.4	2.5	1.2	2.4	3.3	1.6	3.6	4.3	1.8
CORONARY ARTERY BYPASS GRAFT.....	269	7.1	5.6	1.7	12.3	8.1	3.2	12.3	9.7	2.6
INITIAL PACEMAKER INSERTION.....	82	0.0	3.2	3.6	4.9	6.1	2.8	6.1	8.9	3.9
CAROTID ENDOARTERECTOMY.....	70	1.4	1.4	1.6	1.4	2.6	2.3	2.9	3.8	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	148	2.0	2.5	1.4	4.7	4.8	2.3	4.7	6.6	2.7
OPEN REDUCTION OF HIP FRACTURE.....	206	3.9	6.0	3.2	8.3	11.3	4.7	11.7	15.0	4.6
PROSTATECTOMY.....	543	1.1	0.9	0.5	2.2	2.1	0.6	3.9	3.6	0.8
CHOLECYSTECTOMY.....	285	2.1	3.3	1.9	4.2	6.0	2.6	6.7	7.9	2.4
HYSTERECTOMY.....	60	0.0	0.8	1.5	1.7	1.7	2.0	3.3	2.5	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 93,298						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	17.98	23.62	0.16	0.76	0.00		3.46	4.03	0.07	0.86	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.52	0.79	0.03	0.66	0.02						
CONGESTIVE HEART FAILURE.....	0.94	1.28	0.04	0.73	0.02						
PNEUMONIA/INFLUENZA.....	0.60	0.97	0.03	0.63	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.22	0.39	0.02	0.56	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.34	0.02	0.62	0.03						
STROKE.....	0.83	0.77	0.03	1.08	0.04						
HIP FRACTURE.....	0.37	0.50	0.02	0.73	0.03						
SEPSIS.....	0.28	0.29	0.02	0.94	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.31	0.02	0.65	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.42	0.02	0.70	0.03						
INITIAL PACEMAKER INSERTION.....	0.11	0.19	0.01	0.61	0.05						
CAROTID ENDOARTERECTOMY.....	0.07	0.14	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.17	0.43	0.02	0.40	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.25	0.02	0.99	0.07						
PROSTATECTOMY.....	0.64	0.90	0.03	0.71	0.02						
CHOLECYSTECTOMY.....	0.33	0.39	0.02	0.87	0.05						
HYSTERECTOMY.....	0.07	0.17	0.01	1.00	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

HI-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,439	8.7	9.1	0.6	13.1	13.6	0.7	16.3	17.3	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	157	24.8	27.4	5.3	27.4	30.9	5.6	31.8	34.7	5.7
CONGESTIVE HEART FAILURE.....	225	10.7	14.9	3.9	20.0	23.2	3.9	25.8	30.1	4.8
PNEUMONIA/INFLUENZA.....	266	16.5	16.1	2.5	22.9	22.0	2.6	25.6	26.6	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	72	5.6	8.1	5.0	12.5	13.6	5.4	13.9	18.7	6.1
TRANSIENT CEREBRAL ISCHEMIA.....	66	1.5	1.9	1.7	1.5	4.2	3.2	3.0	6.9	4.6
STROKE.....	219	17.8	19.5	3.7	22.8	25.3	3.9	27.9	29.6	3.5
HIP FRACTURE.....	122	4.1	5.8	2.5	10.7	10.4	3.3	16.4	13.7	4.9
SEPSIS.....	52	21.2	26.1	7.9	25.0	32.9	9.3	25.0	39.1	10.3
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	29	3.4	3.0	*	6.9	5.9	*	13.8	8.7	*
CAROTID ENDARTERECTOMY.....	0									
HIP REPLACEMENT/RECONSTRUCTION.....	29	3.4	4.3	*	6.9	7.9	*	6.9	10.4	*
OPEN REDUCTION OF HIP FRACTURE.....	61	3.3	4.8	2.9	9.8	9.0	3.8	16.4	12.0	5.6
PROSTATECTOMY.....	162	0.0	0.8	1.0	0.6	1.9	1.7	3.1	3.3	1.5
CHOLECYSTECTOMY.....	97	2.1	2.2	1.5	3.1	3.9	2.4	4.1	5.2	2.8
HYSTERECTOMY.....	28	0.0	0.6	*	0.0	1.2	*	0.0	1.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 34,927						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.64	23.54	0.26	0.92	0.01		3.49	4.08	0.11	0.86	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.74	0.82	0.05	0.96	0.06						
CONGESTIVE HEART FAILURE.....	1.19	1.26	0.06	0.95	0.05						
PNEUMONIA/INFLUENZA.....	1.07	1.09	0.06	1.02	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.27	0.41	0.04	0.64	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.33	0.03	0.89	0.09						
STROKE.....	0.85	0.76	0.05	1.08	0.07						
HIP FRACTURE.....	0.38	0.48	0.04	0.79	0.07						
SEPSIS.....	0.25	0.29	0.03	0.93	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.31	0.03	0.77	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.45	0.04	0.62	0.05						
INITIAL PACEMAKER INSERTION.....	0.16	0.18	0.02	0.76	0.12						
CAROTID ENDARTERECTOMY.....	0.10	0.14	0.02	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.17	0.44	0.04	0.40	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.18	0.24	0.03	0.79	0.10						
PROSTATECTOMY.....	0.74	0.99	0.05	0.75	0.04						
CHOLECYSTECTOMY.....	0.39	0.41	0.03	1.03	0.10						
HYSTERECTOMY.....	0.10	0.17	0.02	0.70	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

CEDAR RAPIDS, IA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,793	8.0	6.7	0.3	12.7	10.5	0.8	15.4	13.6	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	144	27.1	21.7	3.8	29.2	25.1	4.0	29.9	28.3	4.0
CONGESTIVE HEART FAILURE.....	207	12.6	12.7	2.5	23.7	20.3	3.3	32.4	26.6	4.4
PNEUMONIA/INFLUENZA.....	249	16.9	16.1	3.0	25.3	22.5	3.8	29.7	27.3	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	65	10.8	6.1	5.3	16.9	10.6	7.8	21.5	14.6	8.7
TRANSIENT CEREBRAL ISCHEMIA.....	65	1.5	1.3	1.9	3.1	3.0	2.8	7.7	4.7	3.3
STROKE.....	209	16.3	18.3	3.2	25.8	25.1	3.9	28.2	29.5	3.3
HIP FRACTURE.....	170	10.0	4.8	2.7	14.7	9.0	3.9	19.4	12.0	4.0
SEPSIS.....	59	18.6	25.6	7.4	33.9	33.4	8.3	40.7	40.0	6.4
PROCEDURES:										
ANGIPLASTY.....	55	5.5	2.5	4.5	7.3	3.5	5.2	7.3	4.4	4.8
CORONARY ARTERY BYPASS GRAFT.....	142	6.3	5.6	2.0	9.2	8.1	2.5	9.2	9.6	2.9
INITIAL PACEMAKER INSERTION.....	48	0.0	2.1	*	0.0	4.5	*	2.1	6.8	*
CARDIAC ENDARTERECTOMY.....	30	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	162	3.7	2.1	2.0	6.8	4.0	2.9	8.0	5.4	3.6
OPEN REDUCTION OF HIP FRACTURE.....	83	9.6	3.8	3.3	15.7	7.5	5.7	21.7	10.3	5.6
PROSTATECTOMY.....	210	0.5	0.6	0.6	1.9	1.5	0.9	2.4	2.6	1.3
CHOLECYSTECTOMY.....	121	1.7	2.1	1.3	2.5	3.8	2.2	3.3	5.2	2.8
HYSTERECTOMY.....	55	1.8	0.5	1.6	1.8	1.2	1.6	1.8	1.8	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,308						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.19	27.34	0.34	0.99	0.01		4.53	4.79	0.14	0.95	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.64	0.88	0.06	0.73	0.05						
CONGESTIVE HEART FAILURE.....	1.26	1.63	0.08	0.77	0.04						
PNEUMONIA/INFLUENZA.....	1.26	1.24	0.07	1.01	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.48	0.04	0.86	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.40	0.04	0.71	0.07						
STROKE.....	0.84	0.88	0.06	0.94	0.07						
HIP FRACTURE.....	0.63	0.65	0.05	0.95	0.08						
SEPSIS.....	0.30	0.32	0.04	0.94	0.11						
PROCEDURES:											
ANGIPLASTY.....	0.19	0.24	0.03	0.80	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.51	0.35	0.04	1.47	0.16						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.03	**	**						
CARDIAC ENDARTERECTOMY.....	0.11	0.12	0.02	1.00	0.19						
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.46	0.04	1.17	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.31	0.04	0.96	0.11						
PROSTATECTOMY.....	0.67	0.74	0.06	0.90	0.07						
CHOLECYSTECTOMY.....	0.48	0.43	0.04	1.13	0.11						
HYSTERECTOMY.....	0.19	0.18	0.03	1.05	0.16						

** QUANTITIES COULD NOT BE ESTIMATED

DAVENPORT-ROCK ISLAND-MOLINE, IA-IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,257	9.2	8.8	0.6	14.7	13.4	0.5	18.3	17.1	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	331	25.7	26.9	3.1	29.0	30.2	2.8	33.2	33.6	2.6
CONGESTIVE HEART FAILURE.....	492	14.4	14.3	2.2	26.2	22.4	3.1	33.3	29.1	3.8
PNEUMONIA/INFLUENZA.....	428	16.8	15.9	2.1	23.8	21.8	2.4	26.2	26.4	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	194	9.3	7.9	2.3	13.4	13.4	2.5	17.0	18.3	3.4
TRANSIENT CEREBRAL ISCHEMIA.....	211	0.9	2.1	1.7	4.7	4.6	2.4	9.0	7.1	3.1
STROKE.....	402	20.4	20.1	3.2	30.1	26.6	3.2	35.3	31.1	4.1
HIP FRACTURE.....	275	6.9	6.1	1.6	9.8	11.1	2.1	14.9	14.7	2.2
SEPSIS.....	96	25.0	24.7	4.7	34.4	32.1	5.4	39.6	37.9	5.2
PROCEDURES:										
ANGIOPLASTY.....	151	7.3	4.2	2.7	7.9	5.3	3.0	7.9	6.4	3.4
CORONARY ARTERY BYPASS GRAFT.....	110	7.3	5.6	3.2	10.0	7.9	3.8	11.8	9.3	4.4
INITIAL PACEMAKER INSERTION.....	48	2.1	5.0	*	2.1	8.6	*	6.3	11.6	*
CAROTID ENDARTERECTOMY.....	50	2.0	1.6	*	4.0	3.1	*	4.0	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	205	2.0	3.0	1.5	4.4	5.9	2.7	6.3	8.2	3.6
OPEN REDUCTION OF HIP FRACTURE.....	131	3.8	5.3	3.0	6.1	10.2	4.4	12.2	13.6	3.3
PROSTATECTOMY.....	234	0.9	1.1	0.7	2.6	2.7	1.1	5.6	4.6	1.6
CHOLECYSTECTOMY.....	202	2.0	2.5	1.2	2.5	4.5	2.1	3.5	6.0	2.5
HYSTERECTOMY.....	85	0.0	0.7	1.5	1.2	1.5	1.4	1.2	2.2	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 53,596					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.72	27.19	0.22	1.06	0.01	4.81	4.71	0.09	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.86	0.04	0.97	0.05					
CONGESTIVE HEART FAILURE.....	1.57	1.63	0.05	0.96	0.03					
PNEUMONIA/INFLUENZA.....	1.20	1.17	0.05	1.03	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.63	0.47	0.03	1.36	0.09					
TRANSIENT CEREBRAL ISCHEMIA.....	0.56	0.39	0.03	1.44	0.10					
STROKE.....	1.01	0.89	0.04	1.14	0.05					
HIP FRACTURE.....	0.64	0.63	0.03	1.01	0.06					
SEPSIS.....	0.27	0.33	0.02	0.83	0.06					
PROCEDURES:										
ANGIOPLASTY.....	0.31	0.25	0.02	1.26	0.11					
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.35	0.03	0.80	0.06					
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.02	0.64	0.06					
CAROTID ENDARTERECTOMY.....	0.14	0.12	0.01	1.00	0.13					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.44	0.03	0.97	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.30	0.02	1.01	0.08					
PROSTATECTOMY.....	0.50	0.75	0.04	0.66	0.03					
CHOLECYSTECTOMY.....	0.49	0.42	0.03	1.14	0.08					
HYSTERECTOMY.....	0.19	0.17	0.02	1.10	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

DES MOINES, IA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	13,226	8.5	8.8	0.4	13.1	13.4	0.5	16.6	17.1	0.4
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	474	22.2	26.9	3.3	26.8	30.2	3.4	28.9	33.6	3.6
CONGESTIVE HEART FAILURE.....	499	16.6	15.6	1.8	26.1	23.8	2.9	33.9	30.6	3.9
PNEUMONIA/INFLUENZA.....	527	15.0	16.4	1.9	23.0	22.7	1.8	28.3	27.5	2.4
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	144	9.0	7.8	2.9	13.9	13.8	3.1	18.7	18.9	3.3
TRANSIENT CEREBRAL ISCHEMIA.....	149	0.7	1.9	1.4	1.3	4.3	2.4	4.0	6.9	3.0
STROKE.....	417	18.7	21.8	2.4	25.9	28.4	3.2	31.2	32.9	2.4
HIP FRACTURE.....	370	5.9	6.7	1.5	11.6	12.0	1.9	14.6	15.5	2.2
SEPSIS.....	112	23.2	25.3	4.9	35.7	32.9	5.7	40.2	39.0	5.5
PROCEOURES:										
ANGIOPLASTY.....	400	5.7	4.1	2.2	6.8	5.1	2.3	8.0	6.3	2.3
CORONARY ARTERY BYPASS GRAFT.....	325	5.2	5.6	1.5	7.1	7.7	1.8	7.7	9.0	1.9
INITIAL PACEMAKER INSERTION.....	98	3.1	4.2	3.0	5.1	7.2	3.8	7.1	9.8	4.5
CAROTIO ENOARTERECTOMY.....	52	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	336	3.6	2.4	1.4	5.7	4.5	1.3	6.0	6.1	1.4
OPEN REDUCTION OF HIP FRACTURE.....	151	2.6	6.6	3.4	9.9	12.2	3.8	14.6	15.9	3.2
PROSTATECTOMY.....	391	1.0	1.2	0.6	2.8	2.7	0.8	4.6	4.4	1.1
CHOLECYSTECTOMY.....	235	4.7	3.5	1.6	6.8	6.4	1.7	8.5	8.4	1.9
HYSTERECTOMY.....	79	0.0	0.7	1.1	0.0	1.5	1.9	1.3	2.2	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANOARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 51,965						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.01	28.23	0.23	0.96	0.01		4.77	4.86	0.10	0.98	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.73	0.88	0.04	0.83	0.04						
CONGESTIVE HEART FAILURE.....	1.31	1.69	0.06	0.77	0.03						
PNEUMONIA/INFLUENZA.....	1.32	1.26	0.05	1.05	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.49	0.03	0.95	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.42	0.03	0.76	0.05						
STROKE.....	0.85	0.92	0.04	0.92	0.04						
HIP FRACTURE.....	0.68	0.66	0.04	1.01	0.06						
SEPSIS.....	0.31	0.33	0.03	0.94	0.07						
PROCEOURES:											
ANGIOPLASTY.....	0.40	0.22	0.02	1.72	0.17						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.33	0.02	0.98	0.08						
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.02	0.57	0.06						
CAROTIO ENOARTERECTOMY.....	0.07	0.11	0.02	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.44	0.03	1.04	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.32	0.02	0.72	0.06						
PROSTATECTOMY.....	0.61	0.70	0.04	0.89	0.05						
CHOLECYSTECTOMY.....	0.42	0.43	0.03	1.02	0.07						
HYSTERECTOMY.....	0.11	0.17	0.02	0.60	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

DUBUQUE, IA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,748	8.5	8.0	0.6	13.4	12.3	0.8	16.8	15.7	0.9
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	100	24.0	25.5	4.6	25.0	28.5	5.2	26.0	31.8	6.0
CONGESTIVE HEART FAILURE.....	187	21.4	15.1	4.4	31.0	23.4	5.2	38.5	30.3	5.5
PNEUMONIA/INFLUENZA.....	148	19.6	16.1	3.5	25.7	22.1	5.0	35.1	26.9	6.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	48	8.3	9.3	*	14.6	14.7	*	18.7	19.5	*
TRANSIENT CEREBRAL ISCHEMIA.....	82	1.2	1.7	1.5	1.2	3.7	2.8	2.4	5.8	4.1
STROKE.....	145	24.8	21.7	5.1	29.7	27.9	4.4	33.8	32.4	4.6
HIP FRACTURE.....	127	7.9	6.6	2.5	9.4	11.8	3.5	14.2	15.2	3.5
SEPSIS.....	15	40.0	30.3	*	60.0	38.7	*	60.0	46.0	*
PROCEDUREES:										
ANGIOPLASTY.....	2	0.0	1.9	*	0.0	2.7	*	0.0	3.9	*
CORONARY ARTERY BYPASS GRAFT.....	27	0.0	4.6	*	0.0	6.4	*	0.0	7.5	*
INITIAL PACEMAKER INSERTION.....	26	0.0	3.7	*	0.0	6.6	*	3.8	9.2	*
CAROTIO ENDARTERECTOMY.....	36	2.8	1.5	*	2.8	2.8	*	2.8	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	104	1.0	2.8	2.0	1.9	5.2	3.0	6.7	7.0	4.1
OPEN REDUCTION OF HIP FRACTURE.....	74	9.5	6.1	3.6	10.8	11.4	3.7	12.2	15.1	4.7
PROSTATECTOMY.....	142	0.0	1.0	1.1	0.7	2.5	1.7	0.7	4.2	2.6
CHOLECYSTECTOMY.....	79	0.0	2.0	2.3	1.3	3.6	2.9	5.1	4.8	2.5
HYSTERECTOMY.....	39	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 13,743					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.25	28.11	0.45	0.93	0.01	4.76	4.90	0.19	0.97	0.04
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.74	0.90	0.08	0.80	0.07					
CONGESTIVE HEART FAILURE.....	1.44	1.68	0.11	0.87	0.06					
PNEUMONIA/INFLUENZA.....	1.21	1.28	0.10	0.94	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.49	0.06	0.89	0.11					
TRANSIENT CEREBRAL ISCHEMIA.....	0.53	0.42	0.06	1.25	0.17					
STROKE.....	0.89	0.90	0.08	0.96	0.09					
HIP FRACTURE.....	0.73	0.68	0.07	1.05	0.11					
SEPSIS.....	0.15	0.32	0.05	0.45	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.02	0.22	0.04	0.12	0.02					
CORONARY ARTERY BYPASS GRAFT.....	0.25	0.33	0.05	0.68	0.11					
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.04	0.48	0.10					
CAROTIO ENDARTERECTOMY.....	0.24	0.11	0.03	1.00	0.27					
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.46	0.06	1.04	0.14					
OPEN REDUCTION OF HIP FRACTURE.....	0.42	0.32	0.05	1.31	0.21					
PROSTATECTOMY.....	0.68	0.69	0.07	1.01	0.11					
CHOLECYSTECTOMY.....	0.46	0.44	0.06	1.07	0.14					
HYSTERECTOMY.....	0.25	0.18	0.04	1.30	0.28					

** QUANTITIES COULD NOT BE ESTIMATED

IDWA CITY, IA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,691	6.1	6.6	0.5	10.1	10.4	0.7	13.1	13.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	123	19.5	24.3	4.7	20.3	27.5	5.5	22.0	30.8	6.4
CONGESTIVE HEART FAILURE.....	158	14.6	13.8	4.4	24.1	22.1	4.9	31.6	29.0	5.0
PNEUMONIA/INFLUENZA.....	109	10.1	15.2	7.0	16.5	21.6	8.2	20.2	26.5	8.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	39	7.7	5.7	*	7.7	9.9	*	10.3	13.7	*
TRANSIENT CEREBRAL ISCHEMIA.....	95	1.1	1.6	1.6	3.2	3.7	3.0	3.2	5.9	4.7
STROKE.....	174	14.9	19.5	3.5	19.5	25.4	4.2	24.1	29.7	4.1
HIP FRACTURE.....	98	11.2	6.0	3.6	15.3	11.0	3.9	15.3	14.5	5.1
SEPSIS.....	30	36.7	29.1	*	40.0	37.2	*	46.7	44.6	*
PROCEDURES:										
ANGIOPLASTY.....	56	8.9	4.2	6.5	10.7	5.2	7.2	10.7	6.3	7.8
CORONARY ARTERY BYPASS GRAFT.....	150	10.0	4.7	2.9	12.0	6.8	3.4	15.3	8.2	4.0
INITIAL PACEMAKER INSERTION.....	22	0.0	2.8	*	4.5	5.6	*	9.1	8.4	*
CAROTID ENDARTERECTOMY.....	15	0.0	1.3	*	0.0	2.2	*	6.7	3.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	95	3.2	1.8	2.3	4.2	3.4	2.5	4.2	4.6	3.1
OPEN REDUCTION OF HIP FRACTURE.....	34	11.8	6.2	*	14.7	11.7	*	14.7	15.5	*
PROSTATECTOMY.....	135	0.0	1.0	1.1	1.5	2.5	1.6	3.7	4.1	2.9
CHOLECYSTECTOMY.....	93	5.4	4.1	2.6	8.6	7.5	3.2	8.6	9.9	3.5
HYSTERECTOMY.....	48	0.0	0.7	*	0.0	1.6	*	2.1	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 7,512						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.92	24.23	0.57	0.95	0.02		4.53	4.49	0.24	1.00	0.05
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.63	0.74	0.10	0.79	0.11						
CONGESTIVE HEART FAILURE.....	1.01	1.43	0.14	0.74	0.07						
PNEUMONIA/INFLUENZA.....	0.79	1.20	0.13	0.68	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.29	0.39	0.07	0.68	0.14						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.45	0.08	0.92	0.17						
STROKE.....	0.67	0.77	0.10	0.86	0.12						
HIP FRACTURE.....	0.64	0.64	0.09	1.02	0.15						
SEPSIS.....	0.16	0.27	0.06	0.67	0.17						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.18	0.05	0.94	0.31						
CORONARY ARTERY BYPASS GRAFT.....	0.57	0.28	0.06	2.14	0.54						
INITIAL PACEMAKER INSERTION.....	0.15	0.16	0.05	1.00	0.37						
CAROTID ENDARTERECTOMY.....	0.05	0.10	0.04	1.00	0.52						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.46	0.08	0.76	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.20	0.30	0.06	0.58	0.14						
PROSTATECTOMY.....	0.47	0.61	0.09	0.70	0.11						
CHOLECYSTECTOMY.....	0.37	0.36	0.07	1.03	0.22						
HYSTERECTOMY.....	0.20	0.15	0.04	1.05	0.39						

** QUANTITIES COULD NOT BE ESTIMATED

OMAHA, NE-IA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	17,877	9.0	8.9	0.2	14.5	13.7	0.7	17.8	17.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	622	25.4	27.1	2.8	29.1	30.5	3.3	31.7	33.9	3.3
CONGESTIVE HEART FAILURE.....	750	14.0	15.4	1.6	25.9	24.0	2.2	31.1	30.9	1.7
PNEUMONIA/INFLUENZA.....	754	16.2	17.1	1.5	24.8	23.3	1.8	30.8	28.1	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	202	6.4	7.6	2.1	15.8	13.2	3.5	18.8	18.0	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	226	2.7	1.7	1.6	8.4	3.7	2.5	9.7	5.9	2.9
STROKE.....	559	19.7	20.0	1.8	24.9	26.3	2.0	27.7	30.7	2.4
HIP FRACTURE.....	485	8.5	6.7	2.6	14.4	12.0	3.4	17.7	15.5	3.2
SEPSIS.....	153	23.5	24.2	3.5	31.4	32.5	4.3	38.6	38.9	4.3
PROCEDURES:										
ANGIOPLASTY.....	239	7.5	3.7	2.1	7.5	4.7	2.3	8.8	5.8	2.2
CORONARY ARTERY BYPASS GRAFT.....	286	5.9	5.5	1.9	9.1	7.8	1.9	10.1	9.3	2.0
INITIAL PACEMAKER INSERTION.....	193	4.1	2.9	1.7	8.3	5.8	3.5	11.4	8.4	4.6
CAROTID ENDARTERECTOMY.....	133	0.8	1.7	1.6	3.0	3.2	2.3	3.8	4.8	2.4
HIP REPLACEMENT/RECONSTRUCTION.....	433	2.5	2.7	0.9	5.3	5.1	1.3	6.9	7.0	1.2
OPEN REDUCTION OF HIP FRACTURE.....	217	6.9	6.1	3.1	15.2	11.4	4.5	17.1	15.0	3.5
PROSTATECTOMY.....	499	1.0	1.3	0.6	2.6	3.0	0.8	4.8	5.0	1.2
CHOLECYSTECTOMY.....	350	3.4	3.5	1.5	5.4	6.5	2.0	7.4	8.6	2.4
HYSTERECTOMY.....	171	1.2	0.9	0.9	1.2	1.9	1.4	1.8	2.8	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 74,281						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.74	27.79	0.19	0.96	0.01		4.96	4.73	0.08	1.05	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.86	0.03	1.03	0.04						
CONGESTIVE HEART FAILURE.....	1.45	1.71	0.05	0.85	0.02						
PNEUMONIA/INFLUENZA.....	1.32	1.20	0.04	1.10	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.48	0.03	0.87	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.41	0.02	0.76	0.04						
STROKE.....	0.82	0.92	0.03	0.89	0.03						
HIP FRACTURE.....	0.67	0.63	0.03	1.06	0.05						
SEPSIS.....	0.31	0.34	0.02	0.91	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.30	0.23	0.02	1.29	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.27	0.33	0.02	0.84	0.05						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.02	**	**						
CAROTID ENDARTERECTOMY.....	0.12	0.12	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.43	0.02	1.19	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.30	0.02	0.90	0.06						
PROSTATECTOMY.....	0.64	0.71	0.03	0.91	0.04						
CHOLECYSTECTOMY.....	0.43	0.42	0.02	1.02	0.06						
HYSTERECTOMY.....	0.20	0.17	0.01	1.19	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

SIOUX CITY, IA-NE
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	5,815	8.1	8.1	0.4	12.7	12.4	0.7	15.6	15.9	0.6
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	189	26.5	26.7	3.2	30.2	29.8	3.3	33.3	33.0	3.6
CONGESTIVE HEART FAILURE.....	221	16.7	15.1	2.6	22.6	23.5	3.1	27.1	30.3	3.5
PNEUMONIA/INFLUENZA.....	234	14.1	16.6	3.9	19.7	22.6	4.6	23.9	27.2	5.3
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	65	6.2	6.3	3.5	9.2	11.4	5.0	13.8	15.8	5.5
TRANSIENT CEREBRAL ISCHEMIA.....	66	0.0	1.7	2.3	3.0	3.7	2.4	4.5	5.9	3.1
STROKE.....	205	18.0	20.3	3.5	26.8	27.2	3.5	29.3	31.8	4.6
HIP FRACTURE.....	214	4.7	6.8	2.3	7.0	12.3	3.5	10.7	16.1	3.8
SEPSIS.....	49	34.7	25.3	*	42.9	33.2	*	44.9	39.2	*
PROCEQUIRES:										
ANGIOPLASTY.....	74	1.4	4.7	3.4	2.7	5.8	4.0	2.7	7.1	4.4
CORONARY ARTERY BYPASS GRAFT.....	91	4.4	5.2	2.7	11.0	7.1	3.9	11.0	8.4	3.9
INITIAL PACEMAKER INSERTION.....	39	5.1	4.6	*	5.1	8.8	*	10.3	12.5	*
CAROTIO ENOARTERECTOMY.....	16	6.3	1.4	*	6.3	2.6	*	6.3	3.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	196	2.6	2.8	1.8	4.6	5.4	2.0	7.7	7.4	1.9
OPEN REOUCTION OF HIP FRACTURE.....	125	3.2	6.1	2.4	4.8	11.6	3.8	5.6	15.3	4.6
PROSTATECTOMY.....	263	0.4	1.1	0.9	2.7	2.6	1.1	4.2	4.4	1.3
CHOLECYSTECTOMY.....	139	2.9	2.7	1.4	4.3	5.0	2.2	5.0	6.6	3.2
HYSTERECTOMY.....	42	2.4	0.4	*	2.4	0.9	*	2.4	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANOARD OEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 19,063									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SO,%	REL	SE	OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	29.08	28.67	0.39	1.01	0.01	4.65	4.90	0.16	0.95	0.03
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.93	0.92	0.07	0.99	0.08					
CONGESTIVE HEART FAILURE.....	1.47	1.70	0.09	0.87	0.05					
PNEUMONIA/INFLUENZA.....	1.45	1.44	0.09	1.02	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.47	0.52	0.05	0.99	0.11					
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.41	0.05	0.77	0.09					
STROKE.....	0.98	0.91	0.07	1.10	0.09					
HIP FRACTURE.....	0.73	0.68	0.06	1.03	0.09					
SEPSIS.....	0.30	0.32	0.04	0.87	0.12					
PROCEQUIRES:										
ANGIOPLASTY.....	0.28	0.21	0.03	1.22	0.21					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.33	0.04	1.04	0.14					
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.03	1.03	0.20					
CAROTIO ENOARTERECTOMY.....	0.06	0.11	0.03	1.00	0.26					
HIP REPLACEMENT/RECONSTRUCTION.....	0.63	0.46	0.05	1.34	0.15					
OPEN REOUCTION OF HIP FRACTURE.....	0.40	0.32	0.04	1.17	0.16					
PROSTATECTOMY.....	0.97	0.72	0.06	1.36	0.12					
CHOLECYSTECTOMY.....	0.55	0.45	0.05	1.18	0.14					
HYSTERECTOMY.....	0.18	0.18	0.03	0.99	0.20					

** QUANTITIES COULO NOT BE ESTIMATED

WATERLOO-CEDAR FALLS, IA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,880	8.4	8.7	0.5	13.3	13.0	0.6	16.3	16.5	0.6
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	234	29.9	28.5	3.4	33.3	31.9	3.3	35.9	35.5	3.6
CONGESTIVE HEART FAILURE.....	290	14.8	15.9	2.3	25.9	24.3	2.9	31.4	31.3	2.7
PNEUMONIA/INFLUENZA.....	257	14.4	16.1	3.0	21.0	21.7	2.7	24.1	26.4	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	101	5.9	6.1	2.7	8.9	11.1	3.6	12.9	15.6	5.2
TRANSIENT CEREBRAL ISCHEMIA.....	121	0.8	1.8	1.5	6.6	4.0	3.0	6.6	6.5	2.3
STROKE.....	237	18.6	20.8	2.8	26.6	26.9	2.9	28.3	31.6	3.3
HIP FRACTURE.....	181	6.6	5.9	3.6	12.7	10.8	4.2	15.5	14.3	3.4
SEPSIS.....	65	23.1	25.2	5.7	30.8	33.3	6.7	32.3	39.7	8.2
PROCEOURES:										
ANGIOPLASTY.....	20	5.0	5.3	*	5.0	6.2	*	5.0	7.4	*
CORONARY ARTERY BYPASS GRAFT.....	57	3.5	5.5	4.2	7.0	7.6	5.6	7.0	9.0	4.8
INITIAL PACEMAKER INSERTION.....	37	10.8	3.0	*	16.2	5.9	*	18.9	8.8	*
CAROTID ENOARTERECTOMY.....	13	0.0	1.1	*	7.7	2.0	*	7.7	3.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	131	1.5	2.7	1.6	2.3	4.9	2.5	2.3	6.7	3.3
OPEN REDUCTION OF HIP FRACTURE.....	70	2.9	5.1	3.5	5.7	9.7	5.4	8.6	13.0	7.1
PROSTATECTOMY.....	256	0.8	1.0	0.7	2.0	2.4	1.2	4.3	4.0	1.3
CHOLECYSTECTOMY.....	135	4.4	2.6	2.3	8.1	4.9	2.9	10.4	6.5	2.9
HYSTERECTOMY.....	46	0.0	0.6	*	0.0	1.3	*	0.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,817						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.08	27.38	0.34	1.03	0.01		4.22	4.71	0.14	0.90	0.03
CONOITIONS:											
ACUTE MYOCAROIAL INFARCTION.....	0.98	0.86	0.06	1.13	0.08						
CONGESTIVE HEART FAILURE.....	1.54	1.64	0.08	0.94	0.05						
PNEUMONIA/INFLUENZA.....	1.14	1.21	0.07	0.96	0.06						
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.56	0.48	0.05	1.24	0.12						
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.38	0.04	1.16	0.13						
STROKE.....	1.02	0.89	0.06	1.13	0.08						
HIP FRACTURE.....	0.62	0.62	0.05	0.98	0.08						
SEPSIS.....	0.36	0.33	0.04	1.12	0.13						
PROCEOURES:											
ANGIOPLASTY.....	0.15	0.24	0.03	0.53	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.26	0.34	0.04	0.80	0.09						
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.03	1.05	0.17						
CAROTID ENOARTERECTOMY.....	0.07	0.12	0.02	1.00	0.21						
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.44	0.04	1.10	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.30	0.04	0.75	0.09						
PROSTATECTOMY.....	0.88	0.74	0.06	1.17	0.09						
CHOLECYSTECTOMY.....	0.52	0.42	0.04	1.27	0.13						
HYSTERECTOMY.....	0.21	0.17	0.03	1.26	0.21						

** QUANTITIES COULD NOT BE ESTIMATED

IA-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	39,446	9.5	8.8	0.2	14.0	13.2	0.3	17.4	16.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,444	30.1	28.7	1.4	35.5	32.3	2.2	38.2	36.1	1.6
CONGESTIVE HEART FAILURE.....	2,124	15.9	14.8	0.9	24.2	23.1	1.3	31.1	29.9	1.1
PNEUMONIA/INFLUENZA.....	2,574	16.1	15.7	1.3	23.4	21.7	1.4	27.4	26.4	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	597	7.4	6.5	1.9	12.1	11.4	1.7	16.4	15.8	1.7
TRANSIENT CEREBRAL ISCHEMIA.....	617	1.6	1.8	0.7	3.2	4.2	1.2	5.5	6.7	1.9
STROKE.....	1,651	21.3	20.0	1.3	27.7	26.5	1.2	32.2	31.1	1.3
HIP FRACTURE.....	1,248	7.5	6.1	1.2	12.3	11.1	1.2	15.7	14.6	1.2
SEPSIS.....	445	22.9	26.1	2.3	28.5	33.5	2.8	32.4	39.8	3.1
PROCEDURES:										
ANGIOPLASTY.....	9	22.2	4.6	*	22.2	5.3	*	22.2	6.3	*
CORONARY ARTERY BYPASS GRAFT.....	34	8.8	4.9	*	11.8	6.6	*	11.8	7.8	*
INITIAL PACEMAKER INSERTION.....	130	2.3	3.6	2.8	3.1	6.5	3.6	7.7	9.2	3.2
CAROTID ENDARTERECTOMY.....	68	0.0	1.5	1.9	1.5	2.8	2.5	1.5	4.2	3.4
HIP REPLACEMENT/RECONSTRUCTION.....	790	4.1	3.6	0.9	7.1	6.8	1.0	8.7	9.3	1.1
OPEN REDUCTION OF HIP FRACTURE.....	540	8.1	5.6	1.5	13.5	10.6	1.8	17.4	14.2	2.2
PROSTATECTOMY.....	1,154	0.7	1.0	0.3	1.6	2.3	0.6	3.6	4.0	0.7
CHOLECYSTECTOMY.....	932	2.7	2.7	0.5	4.8	4.9	0.7	6.8	6.5	0.9
HYSTERECTOMY.....	328	0.6	0.8	0.5	0.9	1.7	0.9	1.2	2.4	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 303,287					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.45	28.45	0.10	0.96	0.00	4.76	4.92	0.04	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.06	0.96	0.02	1.11	0.02					
CONGESTIVE HEART FAILURE.....	1.43	1.70	0.02	0.84	0.01					
PNEUMONIA/INFLUENZA.....	1.33	1.40	0.02	0.95	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.48	0.01	0.87	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.38	0.41	0.01	0.91	0.03					
STROKE.....	0.93	0.93	0.02	**	**					
HIP FRACTURE.....	0.69	0.69	0.01	**	**					
SEPSIS.....	0.27	0.31	0.01	0.88	0.03					
PROCEDURES:										
ANGIOPLASTY.....	0.29	0.22	0.01	1.31	0.06					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.36	0.01	1.03	0.04					
INITIAL PACEMAKER INSERTION.....	0.14	0.20	0.01	0.70	0.04					
CAROTID ENDARTERECTOMY.....	0.09	0.11	0.01	1.00	0.08					
HIP REPLACEMENT/RECONSTRUCTION.....	0.57	0.49	0.01	1.14	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.32	0.01	0.93	0.03					
PROSTATECTOMY.....	0.80	0.81	0.02	0.98	0.02					
CHOLECYSTECTOMY.....	0.51	0.47	0.01	1.09	0.03					
HYSTERECTOMY.....	0.18	0.18	0.01	1.03	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

BOISE CITY, IDAHO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,667	8.4	7.6	0.5	12.5	11.9	0.5	15.7	15.3	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	142	24.6	25.2	3.7	28.2	28.2	3.9	29.6	31.4	4.0
CONGESTIVE HEART FAILURE.....	147	18.4	13.5	6.0	25.2	21.0	6.7	33.3	27.6	7.2
PNEUMONIA/INFLUENZA.....	134	16.4	14.7	3.9	18.7	20.3	3.8	23.1	24.8	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	54	13.0	6.8	6.7	18.5	11.9	9.7	20.4	16.6	10.7
TRANSIENT CEREBRAL ISCHEMIA.....	31	3.2	1.6	*	3.2	3.5	*	3.2	5.5	*
STROKE.....	147	22.4	18.3	4.6	27.9	25.0	4.1	31.3	29.4	4.4
HIP FRACTURE.....	143	7.7	6.1	2.9	11.9	11.1	3.3	15.4	14.6	3.1
SEPSIS.....	29	24.1	28.9	*	44.8	38.7	*	55.2	46.5	*
PROCEDURES:										
ANGIOPLASTY.....	69	1.4	3.1	2.9	2.9	3.9	3.6	2.9	5.0	4.1
CORONARY ARTERY BYPASS GRAFT.....	163	5.5	4.7	1.8	6.1	6.5	2.2	8.6	7.6	2.4
INITIAL PACEMAKER INSERTION.....	43	4.7	2.6	*	7.0	5.1	*	7.0	7.7	*
CAROTID ENDARTERECTOMY.....	64	7.8	1.8	3.2	7.8	3.5	3.7	10.9	5.1	4.0
HIP REPLACEMENT/RECONSTRUCTION.....	183	2.2	2.4	1.3	4.9	4.5	1.6	6.0	6.1	1.8
OPEN REDUCTION OF HIP FRACTURE.....	66	7.6	5.2	4.5	10.6	9.9	4.5	12.1	13.1	4.8
PROSTATECTOMY.....	226	1.3	0.8	0.7	2.7	2.0	1.2	3.5	3.4	1.6
CHOLECYSTECTOMY.....	130	1.5	3.1	2.2	3.1	5.5	3.2	4.6	7.1	3.4
HYSTERECTOMY.....	59	0.0	0.5	1.3	1.7	1.1	1.5	1.7	1.6	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,328						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	20.39	26.10	0.33	0.78	0.01		4.31	4.49	0.14	0.96	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.71	0.85	0.06	0.82	0.06						
CONGESTIVE HEART FAILURE.....	0.85	1.51	0.08	0.56	0.03						
PNEUMONIA/INFLUENZA.....	0.79	1.12	0.07	0.70	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.35	0.45	0.04	0.74	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.17	0.38	0.04	0.46	0.05						
STROKE.....	0.68	0.84	0.06	0.82	0.06						
HIP FRACTURE.....	0.65	0.59	0.05	1.08	0.09						
SEPSIS.....	0.15	0.30	0.04	0.46	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.25	0.03	0.76	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.37	0.04	1.15	0.13						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.03	0.84	0.13						
CAROTID ENDARTERECTOMY.....	0.21	0.12	0.02	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.63	0.44	0.04	1.47	0.15						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.03	0.92	0.12						
PROSTATECTOMY.....	0.81	0.77	0.06	1.04	0.08						
CHOLECYSTECTOMY.....	0.51	0.42	0.04	1.20	0.12						
HYSTERECTOMY.....	0.24	0.18	0.03	1.38	0.23						

** QUANTITIES COULD NOT BE ESTIMATED

ID-(NDNMSA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	15,700	9.4	8.3	0.3	13.6	12.7	0.4	16.8	16.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	547	28.0	26.4	4.1	31.4	29.8	3.7	34.4	33.2	3.6
CONGESTIVE HEART FAILURE.....	646	15.6	14.0	2.1	24.3	21.9	2.5	29.4	28.5	1.9
PNEUMONIA/INFLUENZA.....	911	13.3	14.9	2.3	18.6	20.6	2.9	23.3	25.1	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	300	12.0	7.2	2.6	17.0	12.5	3.2	21.3	17.1	3.4
TRANSIENT CEREBRAL ISCHEMIA.....	213	1.4	1.9	1.7	3.3	4.2	1.8	6.6	6.7	1.7
STROKE.....	588	22.6	17.8	2.0	28.7	24.4	2.5	31.0	28.8	1.9
HIP FRACTURE.....	464	9.3	6.5	1.8	15.5	11.7	2.5	19.6	15.3	2.9
SEPSIS.....	147	26.5	26.1	3.9	29.3	33.8	4.2	35.4	40.1	4.3
PROCEDURES:										
ANGIOPLASTY.....	20	5.0	5.0	*	5.0	5.9	*	5.0	7.1	*
CORONARY ARTERY BYPASS GRAFT.....	45	6.7	5.1	*	11.1	7.1	*	15.6	8.4	*
INITIAL PACEMAKER INSERTION.....	95	3.2	3.3	2.1	5.3	5.9	2.7	6.3	8.3	3.9
CARDIAC ENDARTERECTOMY.....	39	0.0	1.7	*	0.0	3.2	*	0.0	4.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	377	3.2	2.9	1.1	6.9	5.6	1.7	8.5	7.6	1.9
OPEN REDUCTION OF HIP FRACTURE.....	230	9.6	6.0	2.8	16.1	11.2	4.1	19.1	14.7	4.2
PROSTATECTOMY.....	631	1.0	0.8	0.6	2.7	2.0	0.8	3.8	3.5	1.0
CHOLECYSTECTOMY.....	400	4.3	2.8	1.6	6.0	4.9	1.4	7.0	6.4	1.3
HYSTERECTOMY.....	158	0.6	0.7	0.7	1.3	1.4	1.0	1.3	2.0	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 111,541						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.01	27.25	0.16	0.92	0.00		4.32	4.40	0.06	0.99	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.94	0.03	0.98	0.03						
CONGESTIVE HEART FAILURE.....	1.11	1.57	0.04	0.70	0.02						
PNEUMONIA/INFLUENZA.....	1.25	1.28	0.03	0.99	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.49	0.52	0.02	0.94	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.40	0.02	0.71	0.04						
STROKE.....	0.76	0.87	0.03	0.85	0.03						
HIP FRACTURE.....	0.59	0.56	0.02	1.06	0.04						
SEPSIS.....	0.22	0.30	0.02	0.76	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.26	0.02	0.87	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.40	0.02	0.99	0.05						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.01	0.85	0.07						
CARDIAC ENDARTERECTOMY.....	0.11	0.14	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.56	0.44	0.02	1.24	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.02	1.09	0.07						
PROSTATECTOMY.....	0.88	0.88	0.03	**	**						
CHOLECYSTECTOMY.....	0.52	0.48	0.02	1.09	0.05						
HYSTERECTOMY.....	0.20	0.18	0.01	1.26	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

AURORA-ELGIN, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OS	PRED	SD	OS	PRED	SD	OS	PRED	SD
ALL CAUSES.....	7,055	10.1	9.1	0.5	15.5	13.9	0.8	19.0	17.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	228	28.9	24.4	3.7	32.0	27.7	3.5	33.8	31.1	3.4
CONGESTIVE HEART FAILURE.....	381	16.5	14.8	2.5	24.1	23.0	2.6	31.8	29.8	3.7
PNEUMONIA/INFLUENZA.....	302	16.2	16.8	2.3	24.2	22.9	2.8	28.5	27.7	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	87	3.4	6.8	3.9	11.5	12.0	3.5	17.2	16.7	4.0
TRANSIENT CEREBRAL ISCHEMIA.....	117	0.9	1.9	1.6	5.1	4.3	2.1	7.7	6.8	3.4
STROKE.....	283	20.1	20.0	2.5	29.0	26.8	3.1	31.4	31.3	2.8
HIP FRACTURE.....	210	5.2	6.4	1.8	7.6	11.6	3.0	10.5	15.2	3.7
SEPSIS.....	79	29.1	27.6	5.3	34.2	36.1	7.8	43.0	42.9	5.6
PROCEDURES:										
ANGIOPLASTY.....	53	9.4	3.5	4.6	9.4	4.5	5.0	9.4	5.7	5.4
CORONARY ARTERY BYPASS GRAFT.....	60	6.7	5.0	3.3	8.3	7.3	4.9	8.3	8.8	4.9
INITIAL PACEMAKER INSERTION.....	30	6.7	4.0	*	10.0	7.0	*	20.0	9.5	*
CAROTID ENDARTERECTOMY.....	63	4.8	1.6	3.7	6.3	3.1	3.8	6.3	4.7	3.5
HIP REPLACEMENT/RECONSTRUCTION.....	127	1.6	2.9	1.8	3.9	5.5	3.1	4.7	7.5	3.4
OPEN REDUCTION OF HIP FRACTURE.....	100	7.0	5.8	2.9	10.0	10.8	3.2	12.0	14.3	4.0
PROSTATECTOMY.....	227	0.0	1.3	1.2	0.0	3.0	2.1	1.3	4.9	2.1
CHOLECYSTECTOMY.....	147	2.0	2.7	1.6	5.4	4.8	2.1	6.8	6.2	2.7
HYSTERECTOMY.....	59	3.4	0.6	1.8	3.4	1.2	2.1	3.4	1.8	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 4,275						MORTALITY				
	ADMISSION										
	OS,%	PRED,%	SD,%	REL	SE		OS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.96	25.73	0.78	0.85	0.03		3.65	4.30	0.32	0.84	0.06
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.65	0.83	0.14	0.76	0.13						
CONGESTIVE HEART FAILURE.....	1.43	1.48	0.19	0.96	0.12						
PNEUMONIA/INFLUENZA.....	0.98	1.02	0.15	0.94	0.14						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.42	0.11	1.10	0.28						
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.38	0.10	0.87	0.24						
STROKE.....	0.80	0.83	0.14	1.04	0.18						
HIP FRACTURE.....	0.47	0.56	0.11	0.79	0.17						
SEPSIS.....	0.26	0.29	0.09	0.73	0.24						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.23	0.08	0.78	0.29						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.37	0.09	1.29	0.36						
INITIAL PACEMAKER INSERTION.....	0.23	0.19	0.07	0.97	0.44						
CAROTID ENDARTERECTOMY.....	0.14	0.11	0.06	1.00	0.64						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.42	0.10	0.86	0.22						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.27	0.08	0.80	0.28						
PROSTATECTOMY.....	0.42	0.77	0.13	0.50	0.09						
CHOLECYSTECTOMY.....	0.47	0.42	0.10	1.05	0.27						
HYSTERECTOMY.....	0.07	0.17	0.06	0.45	0.22						

** QUANTITIES COULD NOT BE ESTIMATED

BLOOMINGTON-NORMAL, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,930	8.9	9.0	0.6	13.1	13.6	0.7	16.2	17.2	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	84	35.7	28.4	6.4	36.9	31.9	5.8	38.1	35.5	5.5
CONGESTIVE HEART FAILURE.....	145	11.7	15.1	4.2	22.1	23.2	4.4	29.0	29.9	3.9
PNEUMONIA/INFLUENZA.....	140	11.4	16.5	4.5	18.6	22.4	6.1	21.4	27.2	5.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	21	4.8	6.3	*	9.5	10.7	*	19.0	14.7	*
TRANSIENT CEREBRAL ISCHEMIA.....	33	3.0	1.9	*	9.1	4.3	*	9.1	6.7	*
STROKE.....	90	14.4	20.2	6.9	24.4	26.3	7.0	26.7	30.7	7.3
HIP FRACTURE.....	97	4.1	6.6	3.3	11.3	12.0	3.4	16.5	15.7	4.3
SEPSIS.....	43	30.2	27.7	*	30.2	35.0	*	34.9	41.1	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	19	0.0	3.7	*	0.0	7.3	*	0.0	10.5	*
CAROTID ENDOARTERECTOMY.....	16	0.0	1.5	*	0.0	2.9	*	6.3	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	77	0.0	2.9	3.2	6.5	5.6	3.0	7.8	7.7	3.1
OPEN REDUCTION OF HIP FRACTURE.....	48	2.1	6.5	*	10.4	12.1	*	14.6	15.9	*
PROSTATECTOMY.....	81	0.0	0.9	1.5	0.0	2.1	3.1	2.5	3.5	3.1
CHOLECYSTECTOMY.....	55	0.0	2.7	3.2	1.8	5.0	4.5	3.6	6.7	5.0
HYSTERECTOMY.....	21	0.0	1.1	*	0.0	2.3	*	0.0	3.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 14,959						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.77	26.18	0.42	1.06	0.02		4.75	4.70	0.18	1.01	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.83	0.07	0.96	0.09						
CONGESTIVE HEART FAILURE.....	1.63	1.55	0.10	1.07	0.07						
PNEUMONIA/INFLUENZA.....	1.26	1.14	0.09	1.13	0.09						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.36	0.41	0.05	0.82	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.40	0.05	0.75	0.10						
STROKE.....	0.84	0.86	0.08	1.03	0.09						
HIP FRACTURE.....	0.69	0.65	0.07	1.11	0.12						
SEPSIS.....	0.41	0.30	0.05	1.46	0.24						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.20	0.04	0.75	0.16						
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.32	0.05	1.23	0.20						
INITIAL PACEMAKER INSERTION.....	0.17	0.18	0.03	1.01	0.22						
CAROTID ENDOARTERECTOMY.....	0.16	0.10	0.03	1.00	0.31						
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.45	0.05	1.03	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.31	0.05	1.31	0.21						
PROSTATECTOMY.....	0.57	0.69	0.07	0.86	0.09						
CHOLECYSTECTOMY.....	0.43	0.39	0.05	1.09	0.16						
HYSTERECTOMY.....	0.19	0.17	0.03	1.41	0.33						

** QUANTITIES COULD NOT BE ESTIMATED

CHAMPAIGN-URBANA-RANTOUL, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	4,719	8.3	8.2	0.5	13.0	12.6	0.6	16.6	16.1	0.8
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	128	25.8	26.7	4.4	28.1	29.9	4.3	31.3	33.3	4.8
CONGESTIVE HEART FAILURE.....	164	18.9	15.5	4.5	28.7	23.8	4.1	35.4	30.7	4.6
PNEUMONIA/INFLUENZA.....	132	8.3	15.4	4.3	14.4	21.0	5.1	18.9	25.4	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	44	6.8	6.6	*	15.9	11.9	*	22.7	16.8	*
TRANSIENT CEREBRAL ISCHEMIA.....	58	1.7	1.8	1.8	3.4	3.9	2.8	5.2	6.1	3.9
STROKE.....	168	20.2	20.2	4.4	27.4	26.1	4.6	32.7	30.4	5.0
HIP FRACTURE.....	132	7.6	6.8	2.4	9.8	12.3	3.5	13.6	15.9	4.5
SEPSIS.....	44	29.5	23.0	*	31.8	30.5	*	38.6	35.9	*
PROCEDURES:										
ANGIOPLASTY.....	43	0.0	3.2	*	0.0	4.1	*	2.3	5.3	*
CORONARY ARTERY BYPASS GRAFT.....	111	6.3	5.6	2.4	9.0	8.3	2.7	9.9	10.1	2.9
INITIAL PACEMAKER INSERTION.....	27	0.0	2.9	*	0.0	5.7	*	3.7	8.4	*
CAROTID ENDOARTERECTOMY.....	59	3.4	1.5	2.6	5.1	2.9	3.3	8.5	4.3	4.2
HIP REPLACEMENT/RECONSTRUCTION.....	140	2.1	2.5	1.4	4.3	4.7	1.9	5.0	6.5	2.4
OPEN REDUCTION OF HIP FRACTURE.....	60	6.7	5.7	3.1	8.3	10.7	4.4	13.3	14.0	4.6
PROSTATECTOMY.....	149	0.7	0.8	1.0	2.0	1.9	2.0	6.0	3.2	2.1
CHOLECYSTECTOMY.....	85	1.2	3.0	2.7	4.7	5.7	3.6	10.6	7.8	4.7
HYSTERECTOMY.....	45	0.0	0.7	*	2.2	1.6	*	4.4	2.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,449						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	22.38	27.69	0.41	0.81	0.01		4.55	4.84	0.17	0.94	0.03
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.60	0.86	0.07	0.70	0.06						
CONGESTIVE HEART FAILURE.....	1.21	1.71	0.10	0.71	0.04						
PNEUMONIA/INFLUENZA.....	0.88	1.18	0.08	0.74	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.26	0.46	0.05	0.57	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.39	0.05	0.69	0.09						
STROKE.....	0.83	0.92	0.07	0.90	0.07						
HIP FRACTURE.....	0.66	0.64	0.06	1.03	0.10						
SEPSIS.....	0.30	0.35	0.05	0.86	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.15	0.24	0.04	0.64	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.34	0.04	1.32	0.18						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.03	0.66	0.12						
CAROTID ENDOARTERECTOMY.....	0.18	0.11	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.43	0.05	1.15	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.31	0.04	0.91	0.13						
PROSTATECTOMY.....	0.61	0.73	0.07	0.84	0.08						
CHOLECYSTECTOMY.....	0.29	0.41	0.05	0.73	0.09						
HYSTERECTOMY.....	0.13	0.17	0.03	0.78	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

CHICAGO, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	134,960	9.1	9.5	0.1	14.6	14.6	0.2	18.5	18.5	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,963	25.5	27.3	0.9	30.1	30.8	1.2	33.6	34.3	0.8
CONGESTIVE HEART FAILURE.....	7,730	13.6	15.0	0.6	22.3	23.2	0.7	28.7	30.0	0.7
PNEUMONIA/INFLUENZA.....	5,107	17.2	17.4	0.7	24.4	23.6	0.8	29.3	28.4	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,266	7.1	8.6	1.3	13.4	14.5	1.3	19.4	19.6	1.4
TRANSIENT CEREBRAL ISCHEMIA.....	2,438	1.6	1.9	0.5	4.5	4.1	0.6	6.9	6.6	0.8
STROKE.....	5,316	18.0	20.5	0.6	25.3	27.1	0.7	29.7	31.5	0.7
HIP FRACTURE.....	2,872	6.4	7.1	1.0	11.9	12.5	0.9	15.9	16.1	0.8
SEPSIS.....	1,822	31.3	29.2	1.5	41.9	38.4	1.7	47.8	44.9	2.0
PROCEDURES:										
ANGIOPLASTY.....	1,054	2.8	3.2	1.0	3.8	4.2	1.0	5.0	5.3	0.9
CORONARY ARTERY BYPASS GRAFT.....	1,635	5.3	6.1	0.8	8.7	8.7	1.1	10.2	10.3	0.8
INITIAL PACEMAKER INSERTION.....	1,029	4.2	3.8	0.6	8.6	7.3	1.0	11.6	10.4	1.1
CAROTID ENDOARTERECTOMY.....	402	2.2	1.5	0.9	2.7	2.7	0.9	4.5	4.0	1.1
HIP REPLACEMENT/RECONSTRUCTION.....	1,978	3.4	3.4	0.5	6.6	6.3	0.6	8.3	8.4	0.6
OPEN REDUCTION OF HIP FRACTURE.....	1,453	6.0	6.5	1.1	11.4	12.0	1.0	15.8	15.6	1.0
PROSTATECTOMY.....	4,014	1.3	1.2	0.2	3.4	2.9	0.5	5.3	4.8	0.7
CHOLECYSTECTOMY.....	2,095	3.6	3.4	0.6	6.4	6.1	0.6	8.1	7.9	0.7
HYSTERECTOMY.....	874	1.5	1.0	0.6	2.9	2.2	1.0	4.0	3.2	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 795,719									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.65	26.93	0.06	0.99	0.00	4.82	4.69	0.02	1.03	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.77	0.77	0.01	**	**					
CONGESTIVE HEART FAILURE.....	1.81	1.66	0.01	1.10	0.01					
PNEUMONIA/INFLUENZA.....	1.02	0.99	0.01	1.03	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.30	0.39	0.01	0.75	0.01					
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.37	0.01	1.16	0.02					
STROKE.....	0.95	0.94	0.01	1.01	0.01					
HIP FRACTURE.....	0.49	0.58	0.01	0.85	0.01					
SEPSIS.....	0.42	0.38	0.01	1.09	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.22	0.25	0.01	0.90	0.02					
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.34	0.01	0.92	0.02					
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.00	0.98	0.02					
CAROTID ENDOARTERECTOMY.....	0.07	0.11	0.00	1.00	0.03					
HIP REPLACEMENT/RECONSTRUCTION.....	0.31	0.39	0.01	0.80	0.01					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.29	0.01	0.82	0.02					
PROSTATECTOMY.....	0.66	0.73	0.01	0.91	0.01					
CHOLECYSTECTOMY.....	0.34	0.36	0.01	0.94	0.02					
HYSTERECTOMY.....	0.14	0.16	0.00	0.87	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

DECATUR, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,568	9.1	8.9	0.5	13.8	13.8	0.6	17.3	17.6	0.7
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	129	30.2	26.3	7.6	33.3	29.5	8.2	37.2	32.9	9.2
CONGESTIVE HEART FAILURE.....	240	16.2	16.2	2.6	24.6	25.0	3.2	30.8	32.0	4.0
PNEUMONIA/INFLUENZA.....	202	22.8	16.4	3.8	26.2	22.3	3.7	29.2	26.9	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	100	6.0	7.5	3.6	11.0	13.1	4.9	15.0	18.1	5.3
TRANSIENT CEREBRAL ISCHEMIA.....	94	1.1	1.8	2.0	5.3	3.9	2.8	10.6	6.2	3.9
STROKE.....	166	21.1	21.9	3.3	31.3	28.7	4.2	35.5	33.1	5.1
HIP FRACTURE.....	127	3.1	6.7	4.1	9.4	12.1	5.9	12.6	15.6	5.8
SEPSIS.....	33	27.3	23.4	*	33.3	30.0	*	36.4	35.4	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	19	0.0	2.0	*	5.3	3.8	*	5.3	5.6	*
CAROTID ENDOARTERECTOMY.....	17	0.0	1.5	*	0.0	3.1	*	5.9	4.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	93	3.2	4.3	2.9	6.5	7.8	4.7	6.5	10.3	5.2
OPEN REDUCTION OF HIP FRACTURE.....	50	6.0	6.0	*	14.0	11.1	*	18.0	14.6	*
PROSTATECTOMY.....	156	0.6	1.3	1.4	1.3	3.2	2.2	4.5	5.2	2.3
CHOLECYSTECTOMY.....	87	2.3	2.8	2.2	3.4	5.1	2.7	6.9	6.7	2.8
HYSTERECTOMY.....	32	3.1	0.8	*	3.1	1.6	*	3.1	2.3	*

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 19,324						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	
ALL CAUSES.....	29.25	27.94	0.38	1.05	0.01		4.71	4.85	0.16	0.97	0.03
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.86	0.07	1.05	0.08						
CONGESTIVE HEART FAILURE.....	1.87	1.71	0.09	1.10	0.06						
PNEUMONIA/INFLUENZA.....	1.16	1.20	0.08	0.95	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.72	0.47	0.05	1.52	0.16						
TRANSIENT CEREBRAL ISCHEMIA.....	0.52	0.39	0.04	1.32	0.16						
STROKE.....	0.95	0.92	0.07	1.00	0.08						
HIP FRACTURE.....	0.57	0.64	0.06	0.90	0.08						
SEPSIS.....	0.18	0.35	0.04	0.50	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.24	0.03	0.65	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.34	0.04	0.86	0.11						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.03	0.78	0.14						
CAROTID ENDOARTERECTOMY.....	0.13	0.12	0.02	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.43	0.05	0.86	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.31	0.04	0.80	0.11						
PROSTATECTOMY.....	0.64	0.72	0.06	0.88	0.08						
CHOLECYSTECTOMY.....	0.47	0.42	0.05	1.12	0.13						
HYSTERECTOMY.....	0.12	0.17	0.03	0.74	0.14						

** QUANTITIES COULD NOT BE ESTIMATED

JOLIET, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,009	8.7	9.0	0.4	14.4	13.9	0.6	17.6	17.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	128	23.4	25.8	4.7	28.1	28.6	5.0	29.7	31.8	4.7
CONGESTIVE HEART FAILURE.....	395	15.2	13.8	3.3	25.1	21.6	3.3	29.4	28.1	2.7
PNEUMONIA/INFLUENZA.....	400	14.5	17.0	2.6	23.7	23.1	3.5	29.5	27.8	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	73	4.1	5.5	4.0	9.6	11.0	6.4	12.3	15.9	7.3
TRANSIENT CEREBRAL ISCHEMIA.....	139	2.2	2.1	1.3	4.3	4.6	2.0	7.2	7.2	2.2
STROKE.....	231	17.7	19.7	2.8	26.4	26.4	2.9	28.6	30.9	4.4
HIP FRACTURE.....	136	6.6	7.0	2.3	13.2	12.1	3.0	18.4	15.5	5.3
SEPSIS.....	58	24.1	24.9	5.8	34.5	32.4	6.9	37.9	38.4	6.4
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	48	4.2	3.8	*	10.4	7.1	*	14.6	10.0	*
CAROTID ENDARTERECTOMY.....	38	0.0	1.8	*	0.0	3.6	*	0.0	5.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	68	8.8	4.5	3.6	13.2	8.3	5.2	17.6	11.0	6.6
OPEN REDUCTION OF HIP FRACTURE.....	54	1.9	7.0	5.0	7.4	12.6	6.6	13.0	16.2	6.4
PROSTATECTOMY.....	165	0.6	1.0	1.0	3.0	2.3	1.3	3.6	3.9	1.6
CHOLECYSTECTOMY.....	116	7.8	4.7	3.0	14.7	8.5	4.9	16.4	11.0	5.1
HYSTERECTOMY.....	43	0.0	0.4	*	2.3	0.9	*	2.3	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 35,822						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.13	26.72	0.27	1.13	0.01		4.92	4.54	0.11	1.08	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.69	0.83	0.05	0.83	0.05						
CONGESTIVE HEART FAILURE.....	2.12	1.60	0.07	1.32	0.05						
PNEUMONIA/INFLUENZA.....	1.69	1.08	0.05	1.56	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.40	0.45	0.04	0.87	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.61	0.38	0.03	1.54	0.14						
STROKE.....	0.95	0.88	0.05	1.08	0.06						
HIP FRACTURE.....	0.51	0.58	0.04	0.87	0.06						
SEPSIS.....	0.35	0.33	0.03	1.14	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.29	0.25	0.03	1.18	0.13						
CORONARY ARTERY BYPASS GRAFT.....	0.49	0.35	0.03	1.39	0.13						
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.02	1.08	0.14						
CAROTID ENDARTERECTOMY.....	0.20	0.12	0.02	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.42	0.03	0.84	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.28	0.03	0.75	0.08						
PROSTATECTOMY.....	0.71	0.75	0.05	0.93	0.06						
CHOLECYSTECTOMY.....	0.46	0.41	0.03	1.12	0.10						
HYSTERECTOMY.....	0.16	0.17	0.02	1.00	0.14						

** QUANTITIES COULD NOT BE ESTIMATED

KANKAKEE, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,268	10.5	9.1	0.7	16.2	14.1	1.1	19.6	18.1	0.9
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	89	30.3	23.3	8.1	33.7	26.8	9.2	38.2	30.2	10.4
CONGESTIVE HEART FAILURE.....	192	16.1	15.4	2.9	27.1	24.0	4.1	32.3	31.0	3.5
PNEUMONIA/INFLUENZA.....	149	20.1	15.2	5.4	25.5	21.1	6.6	30.2	25.7	6.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	66	4.5	6.1	4.1	15.2	10.9	4.5	18.2	15.2	6.3
TRANSIENT CEREBRAL ISCHEMIA.....	57	0.0	1.6	2.3	5.3	3.5	2.9	7.0	5.6	3.3
STROKE.....	143	21.7	19.9	3.7	30.8	26.5	4.8	35.0	31.0	4.7
HIP FRACTURE.....	94	7.4	7.1	3.0	14.9	12.8	4.2	18.1	16.6	4.3
SEPSIS.....	48	27.1	23.0	*	31.3	30.7	*	37.5	36.4	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	26	0.0	2.7	*	3.8	5.6	*	3.8	8.5	*
CAROTID ENOARTERECTOMY.....	8	0.0	1.5	*	0.0	2.7	*	0.0	3.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	66	6.1	4.2	4.2	12.1	7.8	5.9	13.6	10.5	5.8
OPEN REDUCTION OF HIP FRACTURE.....	22	13.6	5.9	*	18.2	11.0	*	18.2	14.4	*
PROSTATECTOMY.....	65	1.5	1.5	1.6	3.1	3.6	2.5	3.1	6.1	3.9
CHOLECYSTECTOMY.....	44	0.0	2.3	*	4.5	4.0	*	4.5	5.2	*
HYSTERECTOMY.....	24	0.0	1.9	*	0.0	3.8	*	0.0	5.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDOARD DEVIATION.

POPULATION BASEO RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 15,502					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	32.29	28.91	0.43	1.12	0.02	5.08	4.85	0.18	1.05	0.04
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.02	0.84	0.07	1.21	0.11					
CONGESTIVE HEART FAILURE.....	2.20	1.77	0.11	1.24	0.07					
PNEUMONIA/INFLUENZA.....	1.48	1.33	0.09	1.11	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.80	0.55	0.06	1.41	0.15					
TRANSIENT CEREBRAL ISCHEMIA.....	0.57	0.40	0.05	1.38	0.18					
STROKE.....	1.10	0.92	0.08	1.20	0.10					
HIP FRACTURE.....	0.61	0.58	0.06	1.00	0.11					
SEPSIS.....	0.45	0.37	0.05	1.20	0.16					
PROCEDURES:										
ANGIOPLASTY.....	0.16	0.24	0.04	0.62	0.11					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.32	0.05	1.00	0.15					
INITIAL PACEMAKER INSERTION.....	0.24	0.17	0.03	1.31	0.28					
CAROTIO ENOARTERECTOMY.....	0.11	0.11	0.03	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.39	0.05	1.14	0.15					
OPEN REDUCTION OF HIP FRACTURE.....	0.17	0.28	0.04	0.55	0.09					
PROSTATECTOMY.....	0.52	0.70	0.07	0.72	0.07					
CHOLECYSTECTOMY.....	0.31	0.43	0.05	0.66	0.08					
HYSTERECTOMY.....	0.17	0.16	0.03	1.28	0.28					

** QUANTITIES COULD NOT BE ESTIMATED

LAKE COUNTY, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	8,273	8.8	9.4	0.5	14.1	14.2	0.4	17.6	18.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	249	31.3	27.6	3.9	34.5	31.0	4.0	36.9	34.4	3.5
CONGESTIVE HEART FAILURE.....	475	15.4	15.2	1.8	24.0	23.5	2.1	30.3	30.3	2.2
PNEUMONIA/INFLUENZA.....	438	15.5	15.9	2.5	21.9	21.5	2.1	24.7	26.0	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	73	5.5	7.8	4.4	9.6	13.1	6.2	13.7	17.8	7.9
TRANSIENT CEREBRAL ISCHEMIA.....	179	3.4	1.9	1.6	3.9	4.2	1.5	6.1	6.7	2.1
STROKE.....	306	17.3	21.7	5.0	26.5	28.5	4.1	30.1	33.0	4.6
HIP FRACTURE.....	213	4.7	7.2	3.4	11.7	12.7	3.3	15.5	16.3	2.8
SEPSIS.....	107	24.3	26.6	6.2	32.7	34.7	5.9	40.2	40.8	4.9
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	69	4.3	4.5	3.3	7.2	8.3	4.5	13.0	11.7	4.5
CAROTID ENDARTERECTOMY.....	8	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	136	0.7	2.6	2.0	3.7	4.8	2.1	5.1	6.4	2.3
OPEN REDUCTION OF HIP FRACTURE.....	86	2.3	7.4	4.7	10.5	13.4	5.8	12.8	17.2	6.1
PROSTATECTOMY.....	226	0.9	0.8	0.6	1.3	2.0	1.1	3.5	3.4	1.2
CHOLECYSTECTOMY.....	140	3.6	3.0	1.5	5.7	5.6	2.0	7.9	7.5	2.3
HYSTERECTOMY.....	60	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 48,135									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.70	25.86	0.23	1.03	0.01	4.51	4.39	0.09	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.71	0.77	0.04	0.93	0.05					
CONGESTIVE HEART FAILURE.....	1.67	1.48	0.06	1.13	0.04					
PNEUMONIA/INFLUENZA.....	1.23	1.02	0.05	1.21	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.28	0.40	0.03	0.71	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.38	0.03	1.20	0.09					
STROKE.....	0.86	0.85	0.04	1.00	0.05					
HIP FRACTURE.....	0.60	0.59	0.03	1.03	0.06					
SEPSIS.....	0.37	0.33	0.03	1.09	0.09					
PROCEDURES:										
ANGIOPLASTY.....	0.22	0.24	0.02	0.86	0.08					
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.34	0.03	1.01	0.08					
INITIAL PACEMAKER INSERTION.....	0.19	0.18	0.02	1.01	0.11					
CAROTID ENDARTERECTOMY.....	0.07	0.10	0.01	1.00	0.17					
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.41	0.03	0.94	0.07					
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.29	0.02	0.85	0.07					
PROSTATECTOMY.....	0.63	0.71	0.04	0.89	0.05					
CHOLECYSTECTOMY.....	0.36	0.37	0.03	1.00	0.08					
HYSTERECTOMY.....	0.17	0.16	0.02	1.05	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

PEORIA, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,696	8.9	8.9	0.4	13.7	13.6	0.5	17.2	17.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	323	29.4	28.1	3.4	34.1	31.4	3.5	35.6	35.0	3.0
CONGESTIVE HEART FAILURE.....	452	15.3	14.7	1.8	23.5	22.6	2.1	28.5	29.3	2.8
PNEUMONIA/INFLUENZA.....	381	16.0	15.8	2.0	21.5	21.7	2.1	25.7	26.4	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	133	6.0	7.0	2.5	16.5	12.2	4.5	19.5	16.9	4.5
TRANSIENT CEREBRAL ISCHEMIA.....	148	4.7	1.8	2.6	8.1	3.9	3.7	8.8	6.3	3.4
STROKE.....	409	21.0	20.6	2.1	25.9	27.1	2.5	30.6	31.6	2.5
HIP FRACTURE.....	266	6.0	6.6	1.6	11.3	11.8	2.2	13.5	15.3	3.0
SEPSIS.....	85	18.8	23.4	6.0	32.9	30.6	5.4	35.3	36.3	5.4
PROCEDURES:										
ANGIOPLASTY.....	140	2.1	3.3	1.7	2.9	4.5	2.2	3.6	5.9	3.1
CORONARY ARTERY BYPASS GRAFT.....	227	6.2	6.1	2.7	9.7	8.6	2.8	10.6	10.2	2.1
INITIAL PACEMAKER INSERTION.....	77	3.9	3.2	2.7	7.8	6.2	3.2	9.1	9.0	3.3
CAROTID ENOARTERECTOMY.....	58	1.7	1.6	1.7	3.4	3.1	3.3	6.9	4.6	4.5
HIP REPLACEMENT/RECONSTRUCTION.....	192	3.1	2.8	1.4	5.7	5.1	1.7	7.3	6.9	2.0
OPEN REDUCTION OF HIP FRACTURE.....	95	3.2	5.6	2.8	6.3	10.5	4.6	7.4	13.8	6.1
PROSTATECTOMY.....	276	0.4	1.4	1.1	2.2	3.1	1.2	2.9	5.0	1.6
CHOLECYSTECTOMY.....	213	2.3	3.1	1.9	4.7	5.4	2.2	5.6	7.1	2.0
HYSTERECTOMY.....	75	1.3	1.1	2.0	4.0	2.2	3.6	6.7	3.4	4.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 51,720						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.67	28.26	0.23	0.91	0.01		4.70	4.78	0.10	0.98	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.69	0.90	0.04	0.76	0.04						
CONGESTIVE HEART FAILURE.....	1.33	1.73	0.06	0.77	0.03						
PNEUMONIA/INFLUENZA.....	1.01	1.26	0.05	0.79	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.51	0.03	0.86	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.41	0.03	0.94	0.07						
STROKE.....	0.93	0.92	0.04	1.01	0.05						
HIP FRACTURE.....	0.60	0.63	0.03	0.95	0.05						
SEPSIS.....	0.27	0.34	0.03	0.83	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.22	0.24	0.02	0.90	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.35	0.03	1.22	0.09						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.02	0.78	0.08						
CAROTID ENOARTERECTOMY.....	0.11	0.12	0.02	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.44	0.03	0.91	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.21	0.31	0.02	0.69	0.06						
PROSTATECTOMY.....	0.62	0.75	0.04	0.82	0.04						
CHOLECYSTECTOMY.....	0.44	0.44	0.03	0.99	0.07						
HYSTERECTOMY.....	0.15	0.17	0.02	0.86	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

RDCKFDRD, IL
MORTALITY RATES FOLLWING ADMISSIDN TO AN ACUTE CARE HDSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		DBS	PRED	SD	DBS	PRED	SD	DBS	PRED	SD
ALL CAUSES.....	8,302	9.0	9.4	0.5	14.1	14.2	0.6	17.8	17.9	0.4
CONDITIDNS:										
ACUTE MYDCARDIAL INFARCTIDN.....	279	19.7	27.1	4.2	23.7	30.2	4.1	26.5	33.4	4.1
CDNGESTIVE HEART FAILURE.....	411	18.7	14.7	3.0	26.8	22.8	3.1	34.3	29.6	3.8
PNEUMDNIA/INFLUENZA.....	317	15.1	17.3	2.7	25.6	23.6	3.0	30.6	28.5	3.3
CHRDNIC OBSTRUCTIVE PULMONARY DISEAS.....	65	1.5	7.0	4.6	10.8	12.3	4.2	16.9	17.2	4.9
TRANSIENT CEREBRAL ISCHEMIA.....	123	4.1	2.1	2.1	8.1	4.6	2.8	9.8	7.4	3.4
STROKE.....	276	23.9	23.2	2.6	30.1	29.5	2.8	34.1	34.0	2.9
HIP FRACTURE.....	248	4.4	7.3	2.7	10.9	12.8	3.6	12.9	16.5	4.5
SEPSIS.....	98	21.4	27.8	7.0	30.6	36.3	8.6	36.7	42.5	9.4
PRDCEDURES:										
ANGIOPLASTY.....	204	6.9	4.9	2.3	9.8	5.9	3.0	10.3	7.2	3.6
CORDNARY ARTERY BYPASS GRAFT.....	192	9.9	6.1	2.8	12.5	8.6	3.0	13.5	10.3	3.0
INITIAL PACEMAKER INSERTIDN.....	57	10.5	5.2	5.3	14.0	9.2	5.9	17.5	12.8	6.9
CARDTID ENDARTERECTOMY.....	56	3.6	1.6	2.6	3.6	3.0	2.8	3.6	4.4	3.4
HIP REPLACEMENT/RECDNSTRUCTIDN.....	210	3.3	3.5	1.5	5.7	6.4	2.3	6.2	8.4	2.9
DPEN REDUCTIDN OF HIP FRACTURE.....	99	4.0	7.0	4.9	10.1	12.7	6.8	14.1	16.4	5.7
PRDSTATECTOMY.....	310	1.0	1.0	0.6	3.2	2.3	1.2	4.2	3.8	1.4
CHDLECYSTECTOMY.....	177	2.3	3.2	1.5	4.0	5.9	2.2	5.1	7.8	2.9
HYSTERECTOMY.....	85	1.2	0.6	1.2	2.4	1.2	2.0	2.4	1.9	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATIDN BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 39,443					MORTALITY				
	ADMISSIDN									
	OBS,%	PRED,%	SD,%	REL	SE	DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.57	27.52	0.26	0.93	0.01	4.36	4.66	0.11	0.94	0.02
CONDITIDNS:										
ACUTE MYDCARDIAL INFARCTIDN.....	0.82	0.86	0.05	0.95	0.05					
CDNGESTIVE HEART FAILURE.....	1.55	1.67	0.06	0.92	0.04					
PNEUMDNIA/INFLUENZA.....	1.08	1.18	0.05	0.91	0.04					
CHRDNIC DBSTRUCTIVE PULMDNARY DISEASE.....	0.27	0.49	0.03	0.55	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.39	0.03	1.05	0.09					
STRDKE.....	0.80	0.90	0.05	0.89	0.05					
HIP FRACTURE.....	0.68	0.60	0.04	1.13	0.07					
SEPSIS.....	0.34	0.34	0.03	**	**					
PRDCEDURES:										
ANGIDPLASTY.....	0.41	0.25	0.02	1.64	0.17					
CORDNARY ARTERY BYPASS GRAFT.....	0.39	0.35	0.03	1.11	0.10					
INITIAL PACEMAKER INSERTIDN.....	0.14	0.19	0.02	0.73	0.08					
CAROTID ENDARTERECTOMY.....	0.17	0.13	0.02	1.00	0.14					
HIP REPLACEMENT/RECDNSTRUCTIDN.....	0.48	0.42	0.03	1.12	0.09					
DPEN REDUCTIDN OF HIP FRACTURE.....	0.28	0.29	0.03	0.95	0.09					
PRDSTATECTOMY.....	0.84	0.75	0.04	1.12	0.06					
CHDLECYSTECTOMY.....	0.47	0.43	0.03	1.11	0.09					
HYSTERECTOMY.....	0.21	0.17	0.02	1.17	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

ST. LOUIS, MO-IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	72,793	8.6	9.2	0.1	13.5	14.0	0.2	17.2	17.8	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,228	25.3	27.0	1.5	29.6	30.4	1.3	32.7	33.8	1.2
CONGESTIVE HEART FAILURE.....	3,797	12.9	14.9	0.9	21.6	23.0	1.0	28.5	29.8	0.9
PNEUMONIA/INFLUENZA.....	3,465	15.3	16.7	1.2	22.5	22.8	1.0	26.6	27.4	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,019	6.6	7.3	1.5	11.1	12.8	1.9	16.3	17.6	2.3
TRANSIENT CEREBRAL ISCHEMIA.....	1,135	1.5	1.9	0.7	3.9	4.2	1.0	6.0	6.7	1.1
STROKE.....	2,715	17.2	20.5	1.3	24.0	27.0	1.3	28.3	31.4	1.3
HIP FRACTURE.....	1,777	5.0	6.5	0.9	9.6	11.6	1.0	13.4	15.0	1.0
SEPSIS.....	985	26.3	25.6	2.5	34.1	33.2	2.0	38.4	39.0	1.8
PROCEDURES:										
ANGIOPLASTY.....	709	5.5	3.1	1.1	6.6	4.1	1.0	7.3	5.2	1.0
CORONARY ARTERY BYPASS GRAFT.....	1,307	5.8	5.9	1.3	8.3	8.3	1.4	9.3	9.9	1.4
INITIAL PACEMAKER INSERTION.....	605	3.1	4.1	1.3	6.6	7.6	1.5	10.1	10.8	1.5
CAROTID ENDARTERECTOMY.....	368	1.9	1.5	0.7	2.4	2.9	1.0	3.5	4.3	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	1,281	2.3	3.3	0.6	5.2	6.1	0.8	7.9	8.2	0.8
OPEN REDUCTION OF HIP FRACTURE.....	844	5.6	6.0	1.4	10.1	11.1	1.6	14.3	14.5	1.2
PROSTATECTOMY.....	2,001	1.3	1.1	0.3	2.5	2.6	0.6	4.7	4.3	0.8
CHOLECYSTECTOMY.....	1,254	2.9	3.2	0.6	5.3	5.7	0.7	7.2	7.4	0.8
HYSTERECTOMY.....	600	0.3	0.9	0.5	1.2	1.9	0.7	2.0	2.8	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 354,358						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.19	28.00	0.09	1.01	0.00		4.87	4.78	0.04	1.02	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.85	0.02	1.01	0.02						
CONGESTIVE HEART FAILURE.....	1.80	1.74	0.02	1.04	0.01						
PNEUMONIA/INFLUENZA.....	1.37	1.15	0.02	1.20	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.49	0.47	0.01	1.03	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.40	0.01	1.02	0.03						
STROKE.....	1.00	0.95	0.02	1.05	0.02						
HIP FRACTURE.....	0.62	0.60	0.01	1.04	0.02						
SEPSIS.....	0.40	0.35	0.01	1.15	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.26	0.22	0.01	1.19	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.32	0.01	1.36	0.04						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.01	1.11	0.04						
CAROTID ENDARTERECTOMY.....	0.11	0.11	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.41	0.01	0.99	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.29	0.01	1.04	0.03						
PROSTATECTOMY.....	0.67	0.71	0.01	0.95	0.02						
CHOLECYSTECTOMY.....	0.39	0.40	0.01	0.98	0.03						
HYSTERECTOMY.....	0.18	0.17	0.01	1.08	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

SPRINGFIELD, IL
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,700	7.5	7.9	0.4	12.2	12.3	0.6	15.3	15.9	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	294	22.8	25.9	4.4	25.2	29.1	4.9	28.2	32.3	5.1
CONGESTIVE HEART FAILURE.....	350	17.7	14.7	3.0	29.7	22.8	3.5	36.3	29.6	4.1
PNEUMONIA/INFLUENZA.....	294	15.0	17.0	3.7	21.1	23.2	4.5	25.5	27.9	5.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	107	6.5	7.9	2.7	13.1	14.4	4.2	20.6	20.1	4.9
TRANSIENT CEREBRAL ISCHEMIA.....	136	0.7	1.8	1.4	0.7	3.9	3.0	3.7	6.2	2.8
STROKE.....	276	14.9	19.1	4.1	21.7	25.7	5.1	25.7	30.2	4.9
HIP FRACTURE.....	200	7.0	6.8	1.9	13.5	12.3	2.6	17.5	16.0	3.5
SEPSIS.....	49	22.4	24.5	*	30.6	32.6	*	36.7	38.4	*
PROCEDURES:										
ANGIOPLASTY.....	208	3.4	3.3	1.3	4.8	4.2	1.5	5.8	5.3	1.7
CORONARY ARTERY BYPASS GRAFT.....	321	3.7	6.5	1.7	5.3	8.7	2.2	5.6	10.2	2.5
INITIAL PACEMAKER INSERTION.....	74	0.0	3.0	3.3	0.0	5.9	5.4	2.7	8.6	5.1
CARDIAC ENDARTERECTOMY.....	63	1.6	1.6	1.8	1.6	3.1	2.9	3.2	4.7	3.1
HIP REPLACEMENT/RECONSTRUCTION.....	166	3.0	3.3	1.4	7.2	6.2	2.1	11.4	8.5	3.3
OPEN REDUCTION OF HIP FRACTURE.....	88	5.7	6.7	2.9	13.6	12.7	3.7	17.0	16.8	4.2
PROSTATECTOMY.....	328	1.8	1.2	0.8	4.9	2.8	1.4	6.7	4.6	1.6
CHOLECYSTECTOMY.....	183	1.1	3.3	1.9	2.7	6.0	2.7	5.5	8.0	2.9
HYSTERECTOMY.....	68	1.5	0.9	1.3	1.5	1.9	1.7	2.9	2.9	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 29,716						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.48	28.34	0.31	1.00	0.01		4.69	4.97	0.13	0.94	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.87	0.05	0.85	0.05						
CONGESTIVE HEART FAILURE.....	1.48	1.70	0.08	0.87	0.04						
PNEUMONIA/INFLUENZA.....	1.16	1.27	0.07	0.90	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.48	0.04	0.98	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.41	0.04	1.11	0.11						
STROKE.....	0.92	0.93	0.06	0.99	0.06						
HIP FRACTURE.....	0.62	0.68	0.05	0.88	0.06						
SEPSIS.....	0.20	0.34	0.03	0.62	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.21	0.03	1.10	0.15						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.32	0.03	0.91	0.10						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.02	0.68	0.10						
CARDIAC ENDARTERECTOMY.....	0.08	0.11	0.02	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.44	0.04	0.83	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.33	0.03	0.76	0.08						
PROSTATECTOMY.....	0.77	0.67	0.05	1.15	0.08						
CHOLECYSTECTOMY.....	0.55	0.42	0.04	1.34	0.13						
HYSTERECTOMY.....	0.14	0.17	0.02	0.73	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

IL-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	54,807	9.8	9.4	0.2	14.5	14.2	0.3	17.9	18.1	0.2
CONITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,708	30.9	27.9	1.1	35.1	31.4	1.6	37.5	35.0	1.2
CONGESTIVE HEART FAILURE.....	3,343	16.3	15.5	0.9	25.1	24.0	1.1	31.6	31.0	0.8
PNEUMONIA/INFLUENZA.....	3,197	17.0	17.1	1.0	23.6	23.2	0.8	27.9	28.0	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	946	6.7	6.8	1.3	10.9	12.3	2.0	15.1	17.1	2.3
TRANSIENT CEREBRAL ISCHEMIA.....	1,151	2.3	2.1	0.5	4.5	4.7	0.7	6.9	7.5	1.1
STROKE.....	2,002	22.7	21.1	1.3	29.0	27.8	1.1	32.8	32.4	1.1
HIP FRACTURE.....	1,459	8.3	6.9	1.2	13.4	12.5	1.2	17.2	16.2	1.3
SEPSIS.....	630	22.7	26.9	2.2	30.2	34.9	2.8	34.1	41.0	2.9
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	202	5.0	4.2	1.6	7.4	7.8	2.0	9.9	11.2	3.2
CAROTIO ENDARTERECTOMY.....	107	2.8	1.5	1.7	2.8	2.8	1.6	3.7	4.2	2.1
HIP REPLACEMENT/RECONSTRUCTION.....	825	5.9	4.1	1.7	9.3	7.9	1.6	11.6	10.6	1.6
OPEN REDUCTION OF HIP FRACTURE.....	641	7.0	6.6	1.1	11.9	12.2	1.3	15.6	16.0	1.5
PROSTATECTOMY.....	1,464	1.6	1.2	0.5	2.9	2.8	0.6	5.2	4.8	1.0
CHOLECYSTECTOMY.....	1,027	2.2	2.6	0.6	4.5	4.6	0.8	5.6	6.1	1.0
HYSTERECTOMY.....	380	0.5	0.8	0.5	2.4	1.6	0.8	3.7	2.5	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 370,970						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.75	28.92	0.09	1.06	0.00		4.84	4.83	0.04	1.00	0.01
CONITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.97	0.96	0.02	1.00	0.02						
CONGESTIVE HEART FAILURE.....	1.93	1.73	0.02	1.11	0.01						
PNEUMONIA/INFLUENZA.....	1.47	1.39	0.02	1.05	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.55	0.52	0.01	1.07	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.54	0.42	0.01	1.26	0.03						
STROKE.....	0.96	0.94	0.02	1.01	0.02						
HIP FRACTURE.....	0.66	0.66	0.01	**	**						
SEPSIS.....	0.33	0.32	0.01	1.03	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.25	0.22	0.01	1.06	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.35	0.01	0.95	0.03						
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.01	0.84	0.04						
CAROTIO ENDARTERECTOMY.....	0.13	0.12	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.46	0.01	1.01	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.31	0.01	0.94	0.03						
PROSTATECTOMY.....	0.75	0.78	0.01	0.97	0.02						
CHOLECYSTECTOMY.....	0.49	0.48	0.01	1.02	0.03						
HYSTERECTOMY.....	0.17	0.18	0.01	0.95	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

ANDERSON, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,933	9.4	8.7	0.5	13.8	13.3	0.7	17.0	17.0	0.6
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	99	26.3	27.2	4.5	28.3	29.9	4.7	34.3	33.2	4.8
CONGESTIVE HEART FAILURE.....	254	19.7	14.4	3.6	32.3	22.6	4.1	36.2	29.4	3.6
PNEUMONIA/INFLUENZA.....	221	12.2	14.9	3.2	20.4	20.4	3.6	25.3	24.9	3.0
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	56	7.1	7.8	3.8	14.3	12.9	4.7	16.1	17.5	5.5
TRANSIENT CEREBRAL ISCHEMIA.....	71	0.0	1.8	2.7	2.8	4.1	3.5	7.0	6.5	4.1
STROKE.....	162	14.8	17.5	3.8	18.5	24.1	5.1	24.1	28.6	4.8
HIP FRACTURE.....	114	11.4	6.2	3.4	13.2	10.9	3.4	15.8	14.0	3.4
SEPSIS.....	38	21.1	29.8	*	23.7	37.3	*	26.3	43.7	*
PROCEDURE:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	20	5.0	2.3	*	10.0	5.1	*	10.0	8.1	*
CAROTID ENOARTERECTOMY.....	12	8.3	1.5	*	8.3	2.8	*	8.3	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	75	8.0	4.1	3.0	8.0	7.6	3.9	12.0	10.1	3.7
OPEN REDUCTION OF HIP FRACTURE.....	41	7.3	6.0	*	12.2	11.1	*	14.6	14.5	*
PROSTATECTOMY.....	154	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
CHOLECYSTECTOMY.....	82	3.7	1.9	2.3	4.9	3.4	2.6	4.9	4.5	2.9
HYSTERECTOMY.....	21	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 21,364					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.73	28.70	0.37	1.14	0.01	4.69	4.57	0.15	1.03	0.03
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.92	0.07	0.92	0.07					
CONGESTIVE HEART FAILURE.....	2.22	1.75	0.09	1.27	0.07					
PNEUMONIA/INFLUENZA.....	1.60	1.22	0.08	1.30	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.54	0.05	0.86	0.08					
TRANSIENT CEREBRAL ISCHEMIA.....	0.48	0.42	0.04	1.09	0.12					
STROKE.....	1.11	0.94	0.07	1.17	0.08					
HIP FRACTURE.....	0.64	0.58	0.05	1.08	0.10					
SEPSIS.....	0.36	0.33	0.04	1.13	0.14					
PROCEDURE:										
ANGIOPLASTY.....	0.34	0.23	0.03	1.43	0.22					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.34	0.04	1.02	0.12					
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.03	1.03	0.17					
CAROTID ENOARTERECTOMY.....	0.26	0.12	0.03	1.00	0.22					
HIP REPLACEMENT/RECONSTRUCTION.....	0.56	0.41	0.04	1.35	0.15					
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.29	0.04	0.74	0.10					
PROSTATECTOMY.....	0.91	0.72	0.06	1.26	0.10					
CHOLECYSTECTOMY.....	0.53	0.46	0.05	1.17	0.12					
HYSTERECTOMY.....	0.13	0.17	0.03	0.58	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

BLOOMINGTON, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,457	9.4	9.1	0.6	13.2	13.9	0.7	16.6	17.7	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	71	26.8	26.6	5.3	29.6	29.9	5.6	31.0	33.2	6.2
CONGESTIVE HEART FAILURE.....	149	14.8	15.0	2.9	21.5	23.3	5.2	26.8	30.3	5.7
PNEUMONIA/INFLUENZA.....	134	14.9	15.9	3.3	19.4	21.8	3.8	20.1	26.3	5.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	23	4.3	6.0	*	8.7	10.1	*	13.0	13.8	*
TRANSIENT CEREBRAL ISCHEMIA.....	34	0.0	1.8	*	2.9	4.2	*	11.8	6.7	*
STROKE.....	98	25.5	21.7	5.6	30.6	28.2	4.8	33.7	32.7	4.8
HIP FRACTURE.....	60	11.7	6.2	5.3	15.0	11.2	5.8	16.7	14.6	6.1
SEPSIS.....	21	14.3	21.1	*	14.3	27.8	*	14.3	32.9	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	21	9.5	2.3	*	14.3	5.0	*	19.0	7.7	*
CAROTID ENDARTERECTOMY.....	0									
HIP REPLACEMENT/RECONSTRUCTION.....	22	0.0	3.4	*	4.5	6.5	*	4.5	8.8	*
OPEN REDUCTION OF HIP FRACTURE.....	33	9.1	6.1	*	12.1	11.5	*	12.1	15.1	*
PROSTATECTOMY.....	99	1.0	1.7	1.4	1.0	3.7	2.6	3.0	5.7	2.9
CHOLECYSTECTOMY.....	58	0.0	3.8	4.3	0.0	7.0	7.3	5.2	9.2	5.0
HYSTERECTOMY.....	25	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 10,014									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.74	28.97	0.54	0.96	0.02	4.36	4.64	0.21	0.94	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.93	0.96	0.10	0.97	0.10					
CONGESTIVE HEART FAILURE.....	1.96	1.73	0.13	1.13	0.09					
PNEUMONIA/INFLUENZA.....	1.34	1.33	0.11	1.00	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.26	0.57	0.07	0.46	0.06					
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.43	0.07	0.90	0.14					
STROKE.....	0.79	0.93	0.10	0.85	0.09					
HIP FRACTURE.....	0.58	0.62	0.08	0.94	0.12					
SEPSIS.....	0.26	0.32	0.06	0.82	0.14					
PROCEDURES:										
ANGIOPLASTY.....	0.30	0.23	0.05	1.31	0.27					
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.35	0.06	0.81	0.14					
INITIAL PACEMAKER INSERTION.....	0.20	0.20	0.04	1.02	0.23					
CAROTID ENDARTERECTOMY.....	0.07	0.14	0.04	1.00	0.27					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.43	0.06	1.03	0.16					
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.30	0.05	1.08	0.20					
PROSTATECTOMY.....	0.77	0.72	0.08	1.06	0.13					
CHOLECYSTECTOMY.....	0.45	0.48	0.07	0.93	0.13					
HYSTERECTOMY.....	0.18	0.18	0.04	0.98	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

CINCINNATI, OH-KY-IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	41,685	8.4	8.8	0.2	13.5	13.5	0.3	17.0	17.3	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,094	25.6	27.7	2.2	29.5	31.0	2.6	31.9	34.4	2.5
CONGESTIVE HEART FAILURE.....	2,078	15.6	15.4	0.9	25.2	23.8	1.3	31.8	30.7	1.2
PNEUMONIA/INFLUENZA.....	2,201	16.3	17.4	1.0	23.6	23.6	0.9	28.1	28.4	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	662	6.5	6.9	1.2	12.5	12.4	1.9	16.2	17.1	1.7
TRANSIENT CEREBRAL ISCHEMIA.....	736	1.9	1.8	0.5	3.5	4.1	0.8	5.2	6.5	1.4
STROKE.....	1,366	17.7	20.0	1.4	23.6	26.6	1.6	26.8	31.0	1.9
HIP FRACTURE.....	978	6.0	6.6	1.2	11.5	11.9	1.3	14.6	15.5	1.7
SEPSIS.....	448	25.4	28.7	3.0	37.1	36.6	3.4	41.3	42.6	2.5
PROCEDURES:										
ANGIOPLASTY.....	324	1.5	2.7	1.8	2.8	3.7	2.1	3.4	4.8	2.2
CORONARY ARTERY BYPASS GRAFT.....	563	4.8	4.9	1.4	6.6	6.9	1.4	8.3	8.2	1.2
INITIAL PACEMAKER INSERTION.....	351	2.3	3.8	1.7	7.7	7.1	1.6	10.5	10.3	1.8
CAROTID ENDARTERECTOMY.....	237	1.3	1.3	0.8	2.1	2.5	1.1	3.4	3.7	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	602	3.2	3.3	0.8	6.5	6.2	1.1	9.0	8.3	1.6
OPEN REDUCTION OF HIP FRACTURE.....	371	5.1	6.3	1.6	11.9	11.9	2.0	14.6	15.7	2.4
PROSTATECTOMY.....	1,169	1.4	1.0	0.4	3.2	2.5	0.8	4.9	4.2	1.2
CHOLECYSTECTOMY.....	770	3.4	3.1	0.9	6.6	5.4	1.5	8.1	7.1	1.9
HYSTERECTOMY.....	295	0.7	0.6	0.5	1.4	1.4	0.7	2.0	2.1	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 199,789						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.53	28.18	0.12	1.08	0.00		5.01	4.74	0.05	1.06	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.85	0.02	0.92	0.02						
CONGESTIVE HEART FAILURE.....	1.90	1.72	0.03	1.10	0.02						
PNEUMONIA/INFLUENZA.....	1.61	1.17	0.02	1.37	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.65	0.49	0.02	1.30	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.49	0.41	0.01	1.19	0.04						
STROKE.....	0.92	0.94	0.02	0.98	0.02						
HIP FRACTURE.....	0.62	0.60	0.02	1.04	0.03						
SEPSIS.....	0.35	0.35	0.01	1.01	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.22	0.01	0.99	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.32	0.01	1.23	0.05						
INITIAL PACEMAKER INSERTION.....	0.24	0.19	0.01	1.31	0.07						
CAROTID ENDARTERECTOMY.....	0.16	0.11	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.40	0.01	0.92	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.29	0.01	0.83	0.04						
PROSTATECTOMY.....	0.73	0.69	0.02	1.06	0.03						
CHOLECYSTECTOMY.....	0.47	0.41	0.01	1.13	0.04						
HYSTERECTOMY.....	0.16	0.16	0.01	0.96	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

ELKHART-GOSHEN, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,698	8.8	8.7	0.5	13.4	13.0	0.7	16.5	16.5	0.7
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	129	34.1	28.0	6.1	38.0	31.5	5.2	38.0	35.1	4.7
CONGESTIVE HEART FAILURE.....	259	19.3	14.8	3.4	27.8	22.7	4.1	32.8	29.5	3.4
PNEUMONIA/INFLUENZA.....	139	10.8	15.4	4.4	15.8	21.2	5.3	21.6	25.8	4.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	86	10.5	8.4	3.5	14.0	14.4	3.9	18.6	19.4	4.6
TRANSIENT CEREBRAL ISCHEMIA.....	59	1.7	2.0	2.4	6.8	4.6	4.0	11.9	7.4	6.4
STROKE.....	177	22.6	19.3	4.7	26.6	25.7	3.7	30.5	30.0	3.5
HIP FRACTURE.....	126	7.1	6.3	2.3	12.7	11.3	3.3	15.1	14.6	3.4
SEPSIS.....	22	18.2	28.5	*	31.8	38.1	*	45.5	45.3	*
PROCEOURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	12	0.0	3.8	*	0.0	7.8	*	8.3	11.5	*
CAROTIO ENOARTERECTOMY.....	6	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	62	4.8	3.4	2.9	8.1	6.5	4.3	8.1	8.6	4.7
OPEN REDUCTION OF HIP FRACTURE.....	78	5.1	5.7	2.7	11.5	10.6	4.1	15.4	14.0	4.9
PROSTATECTOMY.....	203	0.5	0.6	1.0	2.0	1.3	1.2	3.0	2.2	1.5
CHOLECYSTECTOMY.....	97	3.1	1.8	1.9	4.1	3.0	2.8	5.2	3.9	3.1
HYSTERECTOMY.....	33	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANOARD OEVIATION.

POPULATION BASEO RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 19,106					MORTALITY				
	AOMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.49	27.43	0.38	1.00	0.01	4.64	4.61	0.15	1.01	0.03
CONOITIONS:										
ACUTE MYOCAROIAL INFARCTION.....	0.98	0.89	0.07	1.14	0.09					
CONGESTIVE HEART FAILURE.....	1.95	1.64	0.09	1.19	0.07					
PNEUMONIA/INFLUENZA.....	0.87	1.18	0.08	0.74	0.05					
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.68	0.48	0.05	1.41	0.15					
TRANSIENT CEREBRAL ISCHEMIA.....	0.35	0.39	0.05	0.89	0.11					
STROKE.....	1.06	0.90	0.07	1.17	0.09					
HIP FRACTURE.....	0.70	0.61	0.06	1.13	0.11					
SEPSIS.....	0.20	0.32	0.04	0.62	0.08					
PROCEOURES:										
ANGIOPLASTY.....	0.11	0.23	0.04	0.42	0.07					
CORONARY ARTERY 8YPASS GRAFT.....	0.40	0.35	0.04	1.12	0.14					
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.03	0.53	0.09					
CAROTIO ENOARTERECTOMY.....	0.05	0.12	0.03	1.00	0.22					
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.44	0.05	0.83	0.09					
OPEN REDUCTION OF HIP FRACTURE.....	0.45	0.30	0.04	1.47	0.20					
PROSTATECTOMY.....	1.17	0.75	0.06	1.55	0.13					
CHOLECYSTECTOMY.....	0.51	0.44	0.05	1.14	0.13					
HYSTERECTOMY.....	0.24	0.18	0.03	1.25	0.23					

** QUANTITIES COULO NOT BE ESTIMATED

EVANSVILLE, IN-KY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	11,525	9.3	8.3	0.3	13.7	12.6	0.4	17.1	16.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	382	31.9	24.9	3.0	34.6	28.0	2.9	36.9	31.4	3.2
CONGESTIVE HEART FAILURE.....	591	18.6	14.2	2.1	25.9	22.4	2.1	32.3	29.1	2.1
PNEUMONIA/INFLUENZA.....	632	16.0	15.6	1.6	22.5	21.5	2.8	26.4	26.0	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	148	6.8	4.8	2.5	10.8	9.3	3.2	14.9	13.3	3.5
TRANSIENT CEREBRAL ISCHEMIA.....	173	1.7	1.7	1.1	2.9	3.7	3.1	8.1	5.9	3.0
STROKE.....	378	18.5	19.9	2.2	24.3	26.1	3.1	28.0	30.4	2.8
HIP FRACTURE.....	280	6.4	6.4	1.6	10.7	11.2	1.9	14.6	14.3	2.1
SEPSIS.....	132	21.2	26.3	4.8	33.3	33.9	4.2	35.6	39.9	4.9
PROCEDURES:										
ANGIOPLASTY.....	158	5.7	3.5	3.1	6.3	4.5	3.3	7.6	5.6	3.5
CORONARY ARTERY BYPASS GRAFT.....	194	7.2	5.3	2.2	10.8	7.2	3.4	11.9	8.5	3.7
INITIAL PACEMAKER INSERTION.....	62	8.1	3.0	3.6	9.7	6.0	4.0	14.5	8.8	5.0
CAROTID ENDARTERECTOMY.....	80	2.5	1.5	1.6	2.5	2.6	3.2	7.5	3.8	3.6
HIP REPLACEMENT/RECONSTRUCTION.....	206	4.4	3.3	2.1	7.3	6.0	2.7	9.2	7.9	2.3
OPEN REDUCTION OF HIP FRACTURE.....	123	6.5	6.5	2.3	10.6	11.7	3.1	16.3	15.0	3.7
PROSTATECTOMY.....	323	1.5	1.0	0.8	2.8	2.3	1.1	4.3	3.9	1.2
CHOLECYSTECTOMY.....	241	4.6	3.2	2.0	7.5	5.8	2.0	8.3	7.5	1.9
HYSTERECTOMY.....	121	0.0	0.5	0.9	0.8	1.1	1.0	1.7	1.7	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 44,652						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.33	30.13	0.26	1.01	0.01		5.03	4.79	0.10	1.05	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.97	0.05	0.86	0.04						
CONGESTIVE HEART FAILURE.....	1.99	1.83	0.06	1.09	0.04						
PNEUMONIA/INFLUENZA.....	1.87	1.40	0.06	1.33	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.54	0.58	0.04	0.92	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.45	0.03	0.94	0.07						
STROKE.....	0.97	0.98	0.05	0.99	0.05						
HIP FRACTURE.....	0.64	0.63	0.04	1.02	0.06						
SEPSIS.....	0.43	0.34	0.03	1.22	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.27	0.22	0.02	1.19	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.34	0.03	1.02	0.08						
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.02	0.66	0.07						
CAROTID ENDARTERECTOMY.....	0.13	0.13	0.02	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.42	0.03	1.02	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.31	0.03	0.92	0.08						
PROSTATECTOMY.....	0.70	0.71	0.04	0.97	0.05						
CHOLECYSTECTOMY.....	0.51	0.49	0.03	1.04	0.07						
HYSTERECTOMY.....	0.23	0.18	0.02	1.28	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

FORT WAYNE, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		DBS	PRED	SD	DBS	PRED	SD	DBS	PRED	SD
ALL CAUSES.....	11,396	9.1	8.6	0.5	13.4	13.0	0.5	16.8	16.5	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	336	24.4	27.3	3.2	28.6	30.4	3.1	30.7	33.7	3.1
CONGESTIVE HEART FAILURE.....	611	12.3	14.4	2.8	20.6	22.3	2.7	27.5	28.9	2.8
PNEUMONIA/INFLUENZA.....	369	18.4	16.7	2.2	24.9	22.8	2.5	27.1	27.6	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	118	13.6	6.7	4.4	16.1	12.1	5.7	22.9	17.1	5.3
TRANSIENT CEREBRAL ISCHEMIA.....	116	0.9	1.8	1.8	3.4	4.0	3.1	10.3	6.3	3.6
STROKE.....	381	19.7	21.8	3.4	26.0	28.1	4.5	29.7	32.5	4.4
HIP FRACTURE.....	340	9.7	6.5	2.8	13.5	11.9	3.1	16.8	15.5	2.7
SEPSIS.....	125	29.6	27.2	4.3	34.4	35.8	4.5	37.6	42.2	5.1
PROCEDURES:										
ANGIPLASTY.....	218	4.6	3.4	2.2	6.4	4.2	2.8	7.3	5.3	3.2
CORONARY ARTERY BYPASS GRAFT.....	287	3.5	5.4	2.1	5.6	7.4	2.8	6.3	8.7	2.6
INITIAL PACEMAKER INSERTION.....	139	5.8	3.4	3.2	7.2	6.3	3.5	10.1	8.9	3.1
CAROTID ENDARTERECTOMY.....	71	1.4	1.5	2.0	4.2	2.8	2.4	4.2	4.2	2.4
HIP REPLACEMENT/RECONSTRUCTION.....	336	2.7	2.6	1.7	3.6	5.0	2.0	5.1	6.8	2.4
OPEN REDUCTION OF HIP FRACTURE.....	167	8.4	5.9	3.3	13.8	11.2	4.5	16.2	14.8	3.5
PROSTATECTOMY.....	303	2.0	1.0	1.0	4.0	2.4	1.5	5.3	4.0	1.8
CHOLECYSTECTOMY.....	200	4.0	3.1	1.5	5.5	5.2	1.7	7.5	6.6	2.2
HYSTERECTOMY.....	97	2.1	0.6	1.2	3.1	1.2	1.6	3.1	1.8	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 47,608					MORTALITY				
	ADMISSION									
	DBS,%	PRED,%	SD,%	REL	SE	DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.92	28.80	0.25	0.90	0.01	4.72	4.77	0.10	0.99	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.71	0.91	0.04	0.78	0.04					
CONGESTIVE HEART FAILURE.....	1.80	1.77	0.06	1.02	0.03					
PNEUMONIA/INFLUENZA.....	0.99	1.30	0.05	0.77	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.37	0.53	0.03	0.70	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.41	0.03	0.64	0.05					
STROKE.....	0.85	0.94	0.04	0.91	0.04					
HIP FRACTURE.....	0.60	0.62	0.04	0.96	0.06					
SEPSIS.....	0.35	0.34	0.03	1.00	0.08					
PROCEDURES:										
ANGIPLASTY.....	0.33	0.23	0.02	1.41	0.14					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.33	0.03	1.08	0.09					
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.02	1.15	0.12					
CAROTID ENDARTERECTOMY.....	0.12	0.12	0.02	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.48	0.42	0.03	1.13	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.30	0.02	0.92	0.08					
PROSTATECTOMY.....	0.64	0.72	0.04	0.89	0.05					
CHOLECYSTECTOMY.....	0.42	0.45	0.03	0.93	0.06					
HYSTERECTOMY.....	0.17	0.17	0.02	0.98	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

GARY-HAMMOND, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	20,274	8.0	8.6	0.3	12.8	13.0	0.3	16.1	16.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	478	27.8	27.4	2.1	30.8	30.2	2.1	33.7	33.4	2.2
CONGESTIVE HEART FAILURE.....	1,091	11.5	14.6	1.7	20.2	22.4	1.8	27.5	29.0	1.5
PNEUMONIA/INFLUENZA.....	728	15.7	16.4	1.4	23.9	22.2	1.8	28.4	26.9	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	345	6.1	11.0	2.4	11.0	17.8	2.9	17.4	23.5	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	556	2.2	1.9	0.6	4.9	4.1	1.2	7.9	6.6	2.1
STROKE.....	763	19.4	20.8	1.6	26.1	26.8	2.0	31.2	31.1	1.7
HIP FRACTURE.....	326	6.4	6.5	1.5	13.2	11.5	2.5	17.5	14.8	3.4
SEPSIS.....	291	27.5	29.1	3.6	39.5	37.3	4.1	43.0	43.6	3.3
PROCEDURE:										
ANGIOPLASTY.....	258	5.8	4.1	1.6	6.2	5.1	1.6	6.6	6.2	1.5
CORONARY ARTERY BYPASS GRAFT.....	363	6.6	6.0	1.4	9.4	8.3	1.8	11.8	9.8	2.5
INITIAL PACEMAKER INSERTION.....	154	5.2	4.4	1.9	8.4	8.1	2.3	11.7	11.4	2.6
CAROTID ENDOARTERECTOMY.....	149	1.3	1.4	1.1	2.0	2.6	2.6	6.0	3.8	2.3
HIP REPLACEMENT/RECONSTRUCTION.....	222	3.6	3.7	1.3	7.7	6.7	1.9	8.6	8.8	1.9
OPEN REDUCTION OF HIP FRACTURE.....	106	2.8	6.0	2.9	9.4	11.0	3.2	15.1	14.2	3.5
PROSTATECTOMY.....	797	0.8	1.3	0.5	1.8	2.9	0.9	3.4	4.7	1.3
CHOLECYSTECTOMY.....	378	3.7	3.2	1.0	5.6	5.4	1.2	6.1	7.0	1.4
HYSTERECTOMY.....	143	0.0	0.8	1.0	1.4	1.8	1.2	2.1	2.6	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 81,353										
	ADMISSION						MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.08	26.80	0.18	1.31	0.01		4.57	4.33	0.07	1.06	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.70	0.80	0.03	0.88	0.03						
CONGESTIVE HEART FAILURE.....	2.14	1.62	0.04	1.32	0.04						
PNEUMONIA/INFLUENZA.....	1.23	1.02	0.03	1.20	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.66	0.49	0.02	1.36	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.85	0.38	0.02	2.19	0.13						
STROKE.....	1.12	0.89	0.03	1.26	0.05						
HIP FRACTURE.....	0.47	0.48	0.02	0.99	0.05						
SEPSIS.....	0.53	0.33	0.02	1.57	0.10						
PROCEDURE:											
ANGIOPLASTY.....	0.37	0.24	0.02	1.53	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.56	0.33	0.02	1.66	0.10						
INITIAL PACEMAKER INSERTION.....	0.26	0.18	0.01	1.39	0.12						
CAROTID ENDOARTERECTOMY.....	0.22	0.12	0.01	1.00	0.11						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.36	0.02	0.99	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.15	0.23	0.02	0.63	0.05						
PROSTATECTOMY.....	1.04	0.74	0.03	1.41	0.06						
CHOLECYSTECTOMY.....	0.52	0.40	0.02	1.30	0.07						
HYSTERECTOMY.....	0.19	0.16	0.01	1.21	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

INDIANAPOLIS, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	37,777	8.8	8.7	0.2	13.5	13.3	0.3	16.9	16.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,107	24.4	26.9	1.7	28.5	30.3	2.0	30.8	33.7	2.1
CONGESTIVE HEART FAILURE.....	1,721	16.5	14.9	1.6	25.2	23.3	1.8	31.6	30.1	1.5
PNEUMONIA/INFLUENZA.....	1,402	16.3	16.5	1.2	22.8	22.6	1.2	27.7	27.3	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	474	5.5	6.8	2.1	11.2	12.1	3.0	15.8	16.7	2.1
TRANSIENT CEREBRAL ISCHEMIA.....	427	1.4	1.9	1.0	4.4	4.2	1.3	7.7	6.7	1.9
STROKE.....	1,190	21.4	20.6	1.4	28.3	27.2	1.6	32.0	31.7	1.4
HIP FRACTURE.....	889	5.7	6.0	0.9	11.5	10.9	1.2	14.2	14.3	1.2
SEPSIS.....	441	29.7	30.9	3.2	37.9	39.2	3.5	44.4	45.9	2.7
PROCEDURES:										
ANGIOPLASTY.....	755	3.4	3.2	0.7	5.2	4.3	1.0	6.0	5.6	1.0
CORONARY ARTERY BYPASS GRAFT.....	767	5.7	5.2	1.2	7.3	7.4	1.2	8.5	8.8	1.3
INITIAL PACEMAKER INSERTION.....	272	2.9	3.4	1.2	4.8	6.5	2.1	8.8	9.5	2.0
CAROTID ENDARTERECTOMY.....	221	2.7	1.4	1.5	3.6	2.6	1.5	4.1	3.8	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	801	3.0	2.3	0.9	5.0	4.3	0.9	6.0	5.8	0.9
OPEN REDUCTION OF HIP FRACTURE.....	511	4.7	5.5	1.6	11.4	10.4	1.6	13.5	13.8	1.6
PROSTATECTOMY.....	898	1.1	1.1	0.5	1.8	2.5	0.7	2.7	4.2	0.9
CHOLECYSTECTOMY.....	700	3.1	2.8	0.8	5.9	5.0	1.1	6.7	6.4	1.0
HYSTERECTOMY.....	318	1.9	0.9	1.0	2.5	1.8	1.2	3.8	2.7	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 157,593					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.26	28.92	0.13	1.05	0.00	4.98	4.78	0.05	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.81	0.86	0.02	0.94	0.03					
CONGESTIVE HEART FAILURE.....	1.82	1.77	0.03	1.03	0.02					
PNEUMONIA/INFLUENZA.....	1.38	1.20	0.03	1.14	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.50	0.02	1.07	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.34	0.41	0.02	0.80	0.03					
STROKE.....	0.97	0.97	0.02	**	**					
HIP FRACTURE.....	0.69	0.60	0.02	1.17	0.04					
SEPSIS.....	0.47	0.37	0.01	1.25	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.37	0.23	0.01	1.58	0.08					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.33	0.01	1.03	0.05					
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.94	0.06					
CAROTID ENDARTERECTOMY.....	0.12	0.12	0.01	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.39	0.02	1.14	0.05					
OPEN REDUCTION OF HIP FRACTURE.....	0.41	0.30	0.01	1.41	0.07					
PROSTATECTOMY.....	0.67	0.70	0.02	0.94	0.03					
CHOLECYSTECTOMY.....	0.52	0.42	0.02	1.24	0.05					
HYSTERECTOMY.....	0.20	0.16	0.01	1.22	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

KOKOMO, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,970	9.1	8.5	0.8	13.9	13.1	0.9	17.5	16.9	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	68	32.4	25.1	12.7	38.2	28.2	12.6	38.2	31.6	11.5
CONGESTIVE HEART FAILURE.....	204	14.7	15.2	3.0	25.5	23.6	3.2	29.4	30.4	3.4
PNEUMONIA/INFLUENZA.....	111	16.2	16.4	4.0	22.5	22.7	4.0	28.8	27.6	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	36	8.3	7.6	*	11.1	12.9	*	11.1	18.0	*
TRANSIENT CEREBRAL ISCHEMIA.....	55	3.6	1.8	3.2	5.5	4.0	4.5	9.1	6.4	5.3
STROKE.....	103	26.2	18.8	5.4	34.0	25.2	6.2	40.8	29.6	7.4
HIP FRACTURE.....	65	9.2	6.5	3.8	9.2	11.6	4.5	16.9	14.9	4.7
SEPSIS.....	49	28.6	31.4	*	51.0	40.9	*	55.1	48.0	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	31	16.1	4.4	*	19.4	7.4	*	22.6	10.0	*
CAROTID ENDARTERECTOMY.....	16	0.0	1.3	*	0.0	2.6	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	41	7.3	2.9	*	7.3	5.9	*	9.8	8.2	*
OPEN REDUCTION OF HIP FRACTURE.....	41	9.8	6.2	*	9.8	11.4	*	22.0	14.8	*
PROSTATECTOMY.....	102	0.0	0.9	1.2	2.9	2.3	1.8	3.9	3.9	1.9
CHOLECYSTECTOMY.....	60	3.3	2.9	2.2	3.3	4.7	3.6	6.7	5.9	3.9
HYSTERECTOMY.....	18	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 13,675									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.13	27.92	0.45	1.26	0.02	4.46	4.54	0.18	0.98	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.11	0.87	0.08	1.30	0.12					
CONGESTIVE HEART FAILURE.....	2.52	1.65	0.11	1.53	0.10					
PNEUMONIA/INFLUENZA.....	1.27	1.18	0.09	1.08	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.50	0.06	0.94	0.12					
TRANSIENT CEREBRAL ISCHEMIA.....	0.56	0.40	0.05	1.43	0.20					
STROKE.....	1.07	0.89	0.08	1.21	0.11					
HIP FRACTURE.....	0.60	0.58	0.06	1.03	0.12					
SEPSIS.....	0.53	0.32	0.05	1.64	0.26					
PROCEDURES:										
ANGIOPLASTY.....	0.50	0.22	0.04	2.17	0.42					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.34	0.05	1.02	0.16					
INITIAL PACEMAKER INSERTION.....	0.34	0.19	0.04	1.78	0.38					
CAROTID ENDARTERECTOMY.....	0.25	0.12	0.03	1.00	0.26					
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.40	0.05	1.14	0.16					
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.28	0.05	1.12	0.19					
PROSTATECTOMY.....	0.72	0.69	0.07	1.05	0.11					
CHOLECYSTECTOMY.....	0.58	0.44	0.06	1.30	0.17					
HYSTERECTOMY.....	0.18	0.17	0.04	1.06	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

LAFAYETTE, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,112	10.8	8.4	0.5	15.9	12.7	0.7	19.2	16.2	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	143	32.9	26.0	5.3	36.4	29.0	5.6	37.8	32.4	4.8
CONGESTIVE HEART FAILURE.....	193	17.1	13.9	3.7	25.4	21.8	4.6	33.7	28.4	5.8
PNEUMONIA/INFLUENZA.....	184	17.4	14.7	3.4	25.0	20.6	5.5	30.4	25.2	5.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	50	12.0	5.7	*	16.0	10.3	*	26.0	14.5	*
TRANSIENT CEREBRAL ISCHEMIA.....	32	3.1	1.7	*	6.3	3.8	*	9.4	6.0	*
STROKE.....	148	22.3	20.2	3.6	24.3	26.3	4.5	31.1	30.8	4.0
HIP FRACTURE.....	163	9.2	4.9	2.7	12.9	9.3	2.8	14.1	12.4	3.0
SEPSIS.....	47	27.7	26.6	*	34.0	34.8	*	38.3	41.5	*
PROCEDURES:										
ANGIOPLASTY.....	48	6.3	2.3	*	6.3	2.9	*	6.3	3.9	*
CORONARY ARTERY BYPASS GRAFT.....	74	13.5	4.7	4.5	16.2	6.7	5.0	17.6	8.0	5.3
INITIAL PACEMAKER INSERTION.....	35	2.9	3.9	*	5.7	7.0	*	8.6	9.7	*
CARDIAC ENDARTERECTOMY.....	17	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	103	3.9	2.1	2.1	4.9	4.3	2.1	6.8	6.1	2.4
OPEN REDUCTION OF HIP FRACTURE.....	51	7.8	4.4	5.6	11.8	8.6	7.0	13.7	11.8	7.1
PROSTATECTOMY.....	186	1.1	1.0	1.7	4.3	2.2	1.8	5.4	3.6	2.0
CHOLECYSTECTOMY.....	94	4.3	2.2	2.6	5.3	4.1	2.8	7.4	5.7	2.9
HYSTERECTOMY.....	29	3.4	0.5	*	3.4	1.1	*	6.9	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 13,852						MORTALITY				
	ADMISSION										
	OBS, %	PRED, %	SD, %	REL	SE		OBS, %	PRED, %	SD, %	REL	SE
ALL CAUSES.....	25.58	28.07	0.45	0.91	0.01		5.33	4.71	0.18	1.13	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.94	0.92	0.08	1.02	0.09						
CONGESTIVE HEART FAILURE.....	1.32	1.68	0.11	0.79	0.05						
PNEUMONIA/INFLUENZA.....	1.24	1.28	0.10	0.96	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.53	0.06	0.82	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.20	0.42	0.05	0.48	0.06						
STROKE.....	0.87	0.90	0.08	0.97	0.09						
HIP FRACTURE.....	0.85	0.63	0.07	1.35	0.14						
SEPSIS.....	0.26	0.32	0.05	0.81	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.33	0.25	0.04	1.36	0.23						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.35	0.05	1.19	0.17						
INITIAL PACEMAKER INSERTION.....	0.17	0.20	0.04	0.89	0.17						
CARDIAC ENDARTERECTOMY.....	0.08	0.13	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.44	0.06	1.20	0.15						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.30	0.05	0.86	0.13						
PROSTATECTOMY.....	1.00	0.74	0.07	1.34	0.13						
CHOLECYSTECTOMY.....	0.52	0.46	0.06	1.12	0.14						
HYSTERECTOMY.....	0.14	0.18	0.04	0.76	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

LOUISVILLE, KY-IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	32,320	8.8	8.8	0.3	13.6	13.4	0.3	17.3	17.1	0.3
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	774	30.1	25.7	2.1	34.0	28.8	2.3	36.4	32.0	2.3
CONGESTIVE HEART FAILURE.....	1,550	14.0	14.4	0.9	22.5	22.7	1.2	29.9	29.4	1.3
PNEUMONIA/INFLUENZA.....	1,490	16.2	15.9	1.6	23.4	22.0	2.1	28.0	26.6	2.4
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	438	5.9	5.5	1.2	10.3	10.3	1.5	14.8	14.6	1.7
TRANSIENT CEREBRAL ISCHEMIA.....	563	2.3	1.7	0.6	5.3	3.8	1.1	8.5	6.1	1.7
STROKE.....	1,040	16.9	19.6	2.1	24.3	26.3	2.1	28.2	30.7	2.3
HIP FRACTURE.....	734	7.2	6.3	1.4	12.1	11.3	1.4	15.4	14.7	1.6
SEPSIS.....	394	27.9	27.9	2.8	34.8	35.9	3.8	39.3	41.9	4.1
PROCEDURE:										
ANGIOPLASTY.....	277	1.4	2.2	1.2	1.8	3.0	1.6	2.2	4.0	2.2
CORONARY ARTERY BYPASS GRAFT.....	555	7.6	5.3	1.3	9.0	7.5	1.3	9.9	9.0	1.3
INITIAL PACEMAKER INSERTION.....	279	3.2	3.4	2.0	5.0	6.7	2.5	8.6	9.8	2.5
CAROTID ENOARTERECTOMY.....	194	2.1	1.4	1.1	4.1	2.7	2.0	5.2	4.0	2.6
HIP REPLACEMENT/RECONSTRUCTION.....	542	2.2	3.3	1.4	4.8	6.1	1.9	6.6	8.2	2.4
OPEN REDUCTION OF HIP FRACTURE.....	301	6.0	5.5	1.4	10.6	10.2	1.8	13.6	13.5	2.0
PROSTATECTOMY.....	734	1.8	1.0	0.6	4.0	2.4	1.1	4.9	4.0	1.0
CHOLECYSTECTOMY.....	686	3.5	3.0	0.7	5.5	5.4	0.9	7.4	7.0	1.0
HYSTERECTOMY.....	207	1.0	0.8	0.9	1.4	1.8	1.1	2.9	2.7	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 138,902						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.43	29.46	0.15	1.10	0.00		4.94	4.70	0.06	1.05	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.90	0.03	0.83	0.02						
CONGESTIVE HEART FAILURE.....	1.97	1.81	0.04	1.09	0.02						
PNEUMONIA/INFLUENZA.....	1.59	1.28	0.03	1.24	0.03						
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.55	0.56	0.02	0.97	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.51	0.44	0.02	1.17	0.05						
STROKE.....	0.99	0.97	0.03	1.02	0.03						
HIP FRACTURE.....	0.59	0.58	0.02	1.03	0.04						
SEPSIS.....	0.48	0.35	0.02	1.36	0.06						
PROCEDURE:											
ANGIOPLASTY.....	0.22	0.22	0.01	0.99	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.33	0.01	1.32	0.06						
INITIAL PACEMAKER INSERTION.....	0.24	0.19	0.01	1.27	0.08						
CAROTID ENOARTERECTOMY.....	0.16	0.12	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.39	0.02	**	**						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.28	0.01	0.95	0.05						
PROSTATECTOMY.....	0.61	0.69	0.02	0.89	0.03						
CHOLECYSTECTOMY.....	0.54	0.45	0.02	1.20	0.05						
HYSTERECTOMY.....	0.15	0.17	0.01	0.88	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

MUNCIE, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,089	10.7	8.5	0.5	16.2	13.0	0.9	19.6	16.8	0.7
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	115	37.4	27.1	7.3	41.7	30.1	7.8	44.3	33.6	7.7
CONGESTIVE HEART FAILURE.....	209	18.2	13.0	4.0	26.8	20.8	4.7	29.7	27.5	3.8
PNEUMONIA/INFLUENZA.....	178	24.2	14.9	4.6	30.3	20.7	4.9	33.7	25.6	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	71	14.1	6.4	4.9	21.1	11.4	6.6	26.8	15.8	7.0
TRANSIENT CEREBRAL ISCHEMIA.....	47	2.1	1.6	*	6.4	3.7	*	12.8	6.0	*
STROKE.....	148	27.0	17.9	4.8	35.1	23.7	5.7	39.9	28.1	6.0
HIP FRACTURE.....	122	4.9	4.5	1.9	8.2	8.5	2.9	12.3	11.5	3.3
SEPSIS.....	33	42.4	30.8	*	54.5	38.4	*	60.6	45.6	*
PROCEDURES:										
ANGIOPLASTY.....	24	0.0	2.8	*	0.0	3.9	*	0.0	5.3	*
CORONARY ARTERY BYPASS GRAFT.....	35	5.7	5.4	*	8.6	7.7	*	14.3	9.1	*
INITIAL PACEMAKER INSERTION.....	28	0.0	3.4	*	0.0	6.1	*	0.0	8.8	*
CAROTID ENDARTERECTOMY.....	12	0.0	1.6	*	8.3	3.2	*	8.3	4.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	89	3.4	2.2	1.8	5.6	4.2	3.5	9.0	6.0	4.5
OPEN REDUCTION OF HIP FRACTURE.....	49	4.1	4.3	*	6.1	8.3	*	10.2	11.3	*
PROSTATECTOMY.....	133	3.8	1.4	1.6	5.3	3.1	1.8	6.0	5.2	2.0
CHOLECYSTECTOMY.....	91	4.4	3.1	2.8	8.8	5.7	4.2	8.8	7.4	4.6
HYSTERECTOMY.....	37	0.0	0.9	*	0.0	1.8	*	0.0	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,065						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.25	30.08	0.42	0.97	0.01		5.10	4.77	0.17	1.07	0.04
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.77	0.94	0.07	0.82	0.06						
CONGESTIVE HEART FAILURE.....	1.76	1.83	0.10	1.00	0.06						
PNEUMONIA/INFLUENZA.....	1.44	1.38	0.09	1.04	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.67	0.59	0.06	1.14	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.46	0.05	0.72	0.08						
STROKE.....	0.89	0.97	0.07	0.92	0.07						
HIP FRACTURE.....	0.67	0.62	0.06	1.06	0.11						
SEPSIS.....	0.26	0.35	0.05	0.68	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.23	0.04	0.81	0.14						
CORONARY ARTERY BYPASS GRAFT.....	0.23	0.34	0.04	0.66	0.09						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.03	0.88	0.17						
CAROTID ENDARTERECTOMY.....	0.08	0.13	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.41	0.05	1.16	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.30	0.04	0.78	0.11						
PROSTATECTOMY.....	0.84	0.70	0.06	1.21	0.11						
CHOLECYSTECTOMY.....	0.49	0.48	0.05	1.06	0.12						
HYSTERECTOMY.....	0.15	0.17	0.03	0.79	0.16						

** QUANTITIES COULD NOT BE ESTIMATED

SOUTH BEND-MISHAWAKA, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	8,325	9.1	8.8	0.3	13.8	13.4	0.5	17.1	17.1	0.4
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	229	20.1	28.1	3.8	23.6	31.3	3.9	27.5	34.9	3.7
CONGESTIVE HEART FAILURE.....	443	14.9	14.2	1.7	20.8	22.0	2.1	28.0	28.6	2.3
PNEUMONIA/INFLUENZA.....	308	18.5	16.9	3.4	25.6	23.0	3.4	29.5	27.9	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	98	10.2	7.8	3.3	18.4	13.6	5.1	21.4	18.6	5.0
TRANSIENT CEREBRAL ISCHEMIA.....	72	1.4	1.8	2.8	5.6	4.1	2.6	6.9	6.6	2.9
STROKE.....	266	24.4	20.8	2.8	28.9	26.9	2.8	30.5	31.4	2.9
HIP FRACTURE.....	202	5.9	5.9	1.7	11.4	10.8	2.3	14.4	14.2	3.0
SEPSIS.....	80	33.7	28.0	6.9	42.5	36.1	6.6	47.5	43.0	7.0
PROCEDURE:										
ANGIOPLASTY.....	67	3.0	2.9	2.5	4.5	3.8	2.9	4.5	4.9	2.7
CORONARY ARTERY BYPASS GRAFT.....	234	4.3	5.3	2.4	5.1	7.5	2.9	6.4	9.0	3.0
INITIAL PACEMAKER INSERTION.....	67	1.5	2.3	2.7	3.0	4.6	4.2	4.5	7.0	4.8
CAROTID ENDOARTERECTOMY.....	48	2.1	1.1	*	2.1	2.0	*	4.2	3.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	201	1.0	2.4	1.5	3.0	4.2	2.2	3.5	5.6	2.5
OPEN REDUCTION OF HIP FRACTURE.....	93	6.5	5.5	2.9	12.9	10.5	4.7	17.2	14.1	6.0
PROSTATECTOMY.....	160	0.6	0.7	0.7	1.9	1.7	1.0	2.5	2.9	1.5
CHOLECYSTECTOMY.....	162	6.8	3.2	3.2	8.0	5.7	3.6	10.5	7.4	4.4
HYSTERECTOMY.....	75	0.0	1.0	1.6	0.0	2.1	3.0	2.7	3.2	2.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 39,512						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.09	28.14	0.27	0.93	0.01		4.61	4.70	0.11	0.98	0.02
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.76	0.90	0.05	0.85	0.04						
CONGESTIVE HEART FAILURE.....	1.71	1.72	0.07	1.00	0.04						
PNEUMONIA/INFLUENZA.....	1.14	1.20	0.05	0.96	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.48	0.04	0.93	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.41	0.03	0.65	0.05						
STROKE.....	0.89	0.95	0.05	0.93	0.05						
HIP FRACTURE.....	0.60	0.61	0.04	0.97	0.06						
SEPSIS.....	0.27	0.34	0.03	0.78	0.07						
PROCEDURE:											
ANGIOPLASTY.....	0.15	0.24	0.02	0.60	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.52	0.35	0.03	1.51	0.13						
INITIAL PACEMAKER INSERTION.....	0.22	0.20	0.02	1.09	0.13						
CAROTID ENDOARTERECTOMY.....	0.12	0.12	0.02	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.43	0.03	1.09	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.30	0.03	1.02	0.10						
PROSTATECTOMY.....	0.50	0.75	0.04	0.66	0.04						
CHOLECYSTECTOMY.....	0.48	0.43	0.03	1.12	0.09						
HYSTERECTOMY.....	0.20	0.17	0.02	1.19	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

TERRE HAUTE, IN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,178	9.8	9.1	0.6	15.0	13.9	0.8	18.4	17.7	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	203	24.1	24.6	3.1	29.1	27.8	3.5	32.0	31.1	3.7
CONGESTIVE HEART FAILURE.....	304	17.8	14.4	3.1	28.0	22.2	4.6	32.9	28.8	3.8
PNEUMONIA/INFLUENZA.....	229	11.8	15.9	4.0	19.2	21.7	5.8	21.4	26.3	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	83	7.2	6.1	2.9	10.8	11.0	3.4	15.7	15.5	4.1
TRANSIENT CEREBRAL ISCHEMIA.....	75	1.3	2.1	1.8	2.7	4.5	3.4	2.7	7.0	5.0
STROKE.....	195	25.6	21.5	3.9	37.4	28.0	4.8	40.0	32.5	4.4
HIP FRACTURE.....	173	6.4	7.2	2.4	10.4	12.9	3.7	15.6	16.8	3.1
SEPSIS.....	87	21.8	25.0	6.3	32.2	32.0	5.6	34.5	37.8	6.0
PROCEDURES:										
ANGIOPLASTY.....	114	4.4	3.5	1.9	4.4	4.4	2.2	4.4	5.4	2.9
CORONARY ARTERY BYPASS GRAFT.....	79	12.7	5.0	5.3	15.2	7.3	5.4	15.2	8.7	5.3
INITIAL PACEMAKER INSERTION.....	45	6.7	3.6	*	8.9	6.3	*	11.1	8.6	*
CAROTIO ENDARTERECTOMY.....	25	4.0	1.8	*	8.0	3.6	*	8.0	5.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	77	6.5	5.0	2.7	6.5	9.6	4.1	10.4	13.0	4.1
OPEN REDUCTION OF HIP FRACTURE.....	90	4.4	7.1	3.9	11.1	13.1	4.3	15.6	17.1	4.3
PROSTATECTOMY.....	164	0.6	0.9	0.8	3.7	2.1	2.3	3.7	3.6	2.1
CHOLECYSTECTOMY.....	116	3.4	3.1	1.7	5.2	5.2	2.3	6.9	6.6	3.1
HYSTERECTOMY.....	49	0.0	0.6	*	0.0	1.4	*	0.0	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,318						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.80	29.83	0.36	0.97	0.01		4.82	4.88	0.14	0.99	0.03
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.04	0.96	0.06	1.07	0.07						
CONGESTIVE HEART FAILURE.....	1.93	1.81	0.09	1.06	0.05						
PNEUMONIA/INFLUENZA.....	1.29	1.38	0.08	0.93	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.56	0.57	0.05	1.00	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.46	0.04	0.85	0.08						
STROKE.....	0.90	0.97	0.06	0.92	0.06						
HIP FRACTURE.....	0.70	0.65	0.05	1.07	0.09						
SEPSIS.....	0.51	0.34	0.04	1.55	0.18						
PROCEDURES:											
ANGIOPLASTY.....	0.51	0.22	0.03	2.29	0.34						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.34	0.04	1.23	0.14						
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.03	1.07	0.17						
CAROTIO ENDARTERECTOMY.....	0.12	0.12	0.02	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.43	0.04	0.87	0.09						
OPEN REDUCTION OF HIP FRACTURE.....	0.38	0.32	0.04	1.24	0.15						
PROSTATECTOMY.....	0.63	0.69	0.05	0.87	0.07						
CHOLECYSTECTOMY.....	0.47	0.47	0.04	1.04	0.10						
HYSTERECTOMY.....	0.16	0.18	0.03	0.91	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

IN-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	39,299	9.8	9.3	0.2	14.4	13.9	0.3	17.9	17.6	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,417	29.9	28.3	2.3	33.9	31.5	2.4	36.3	35.0	2.2
CONGESTIVE HEART FAILURE.....	2,512	16.4	14.6	0.9	24.3	22.7	1.0	31.2	29.4	1.0
PNEUMONIA/INFLUENZA.....	2,748	14.3	15.9	0.9	20.3	21.7	1.3	24.3	26.3	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	624	7.4	6.7	1.1	13.5	12.0	1.8	17.9	16.7	2.5
TRANSIENT CEREBRAL ISCHEMIA.....	694	2.6	1.9	1.0	5.3	4.3	1.4	7.6	6.9	1.5
STROKE.....	1,652	21.8	20.4	1.6	28.4	26.9	1.3	32.4	31.5	1.3
HIP FRACTURE.....	1,122	7.1	6.2	1.1	11.9	11.1	1.0	14.5	14.6	1.1
SEPSIS.....	484	24.8	27.6	3.9	33.9	35.1	4.0	38.8	41.4	3.0
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	176	4.0	3.7	2.0	5.7	6.8	2.4	8.5	9.7	2.6
CAROTID ENDOARTERECTOMY.....	63	0.0	1.5	3.0	4.8	3.0	3.3	6.3	4.4	4.4
HIP REPLACEMENT/RECONSTRUCTION.....	617	4.4	3.8	0.9	7.6	7.1	1.2	9.6	9.5	1.2
OPEN REDUCTION OF HIP FRACTURE.....	529	7.0	5.6	1.8	11.9	10.4	1.5	14.4	13.7	1.5
PROSTATECTOMY.....	1,227	1.1	1.0	0.3	2.4	2.3	0.5	3.5	3.9	0.7
CHOLECYSTECTOMY.....	795	2.6	2.4	0.6	5.0	4.3	1.0	7.0	5.7	1.3
HYSTERECTOMY.....	287	1.0	0.7	0.6	1.4	1.4	0.7	1.7	2.0	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 275,323						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.24	28.92	0.10	1.08	0.00		4.74	4.66	0.04	1.02	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.11	0.96	0.02	1.15	0.02						
CONGESTIVE HEART FAILURE.....	2.04	1.72	0.02	1.17	0.02						
PNEUMONIA/INFLUENZA.....	1.70	1.37	0.02	1.25	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.51	0.55	0.01	0.91	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.43	0.01	1.04	0.03						
STROKE.....	1.07	0.92	0.02	1.16	0.02						
HIP FRACTURE.....	0.69	0.61	0.01	1.11	0.03						
SEPSIS.....	0.34	0.31	0.01	1.08	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.34	0.23	0.01	1.42	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.36	0.01	1.12	0.04						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	1.07	0.05						
CAROTID ENDOARTERECTOMY.....	0.12	0.12	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.49	0.44	0.01	1.12	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.29	0.01	1.10	0.04						
PROSTATECTOMY.....	0.79	0.76	0.02	1.03	0.02						
CHOLECYSTECTOMY.....	0.52	0.49	0.01	1.07	0.03						
HYSTERECTOMY.....	0.19	0.18	0.01	1.02	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

LAWRENCE, KS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,332	10.8	9.0	1.4	14.9	13.8	1.2	17.9	17.5	1.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	37	43.2	29.4	*	45.9	33.1	*	54.1	36.8	*
CONGESTIVE HEART FAILURE.....	62	19.4	15.3	6.0	27.4	24.1	7.6	38.7	31.3	9.8
PNEUMONIA/INFLUENZA.....	63	20.6	15.8	8.1	27.0	22.0	10.6	33.3	26.7	10.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	21	4.8	8.2	*	4.8	12.7	*	9.5	17.1	*
TRANSIENT CEREBRAL ISCHEMIA.....	18	11.1	2.1	*	16.7	4.8	*	16.7	7.8	*
STROKE.....	42	21.4	21.2	*	26.2	28.9	*	26.2	33.7	*
HIP FRACTURE.....	67	6.0	7.6	4.0	9.0	13.5	4.9	10.4	17.4	6.2
SEPSIS.....	16	25.0	28.6	*	31.3	37.3	*	37.5	43.5	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	6	16.7	5.1	*	16.7	8.2	*	16.7	10.4	*
CAROTID ENDARTERECTOMY.....	1	0.0	0.8	*	0.0	1.4	*	0.0	2.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	48	4.2	4.5	*	4.2	8.4	*	6.3	11.1	*
OPEN REDUCTION OF HIP FRACTURE.....	29	6.9	7.4	*	10.3	13.5	*	10.3	17.5	*
PROSTATECTOMY.....	35	0.0	0.8	*	2.9	1.9	*	2.9	3.2	*
CHOLECYSTECTOMY.....	29	3.4	2.3	*	3.4	4.0	*	3.4	5.1	*
HYSTERECTOMY.....	11	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 7,050						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.43	25.74	0.60	1.14	0.03		4.71	4.64	0.26	1.02	0.06
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.01	0.79	0.11	1.42	0.19						
CONGESTIVE HEART FAILURE.....	1.65	1.56	0.15	1.05	0.10						
PNEUMONIA/INFLUENZA.....	1.02	1.24	0.13	0.90	0.10						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.70	0.43	0.08	1.65	0.31						
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.41	0.08	1.11	0.22						
STROKE.....	0.78	0.84	0.11	0.91	0.12						
HIP FRACTURE.....	0.88	0.63	0.09	1.38	0.21						
SEPSIS.....	0.34	0.31	0.07	0.98	0.23						
PROCEDURES:											
ANGIOPLASTY.....	0.52	0.20	0.06	2.52	0.75						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.31	0.07	1.28	0.30						
INITIAL PACEMAKER INSERTION.....	0.17	0.17	0.05	1.05	0.35						
CAROTID ENDARTERECTOMY.....	0.07	0.10	0.04	1.00	0.49						
HIP REPLACEMENT/RECONSTRUCTION.....	0.78	0.44	0.08	1.86	0.35						
OPEN REDUCTION OF HIP FRACTURE.....	0.41	0.31	0.07	1.40	0.33						
PROSTATECTOMY.....	0.60	0.67	0.10	0.90	0.13						
CHOLECYSTECTOMY.....	0.45	0.39	0.07	1.20	0.24						
HYSTERECTOMY.....	0.20	0.16	0.05	1.03	0.36						

** QUANTITIES COULD NOT BE ESTIMATED

TDPEKA, KS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,105	8.1	9.1	0.5	12.7	13.9	0.7	15.8	17.6	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	208	21.2	27.0	7.0	26.9	30.3	7.4	28.8	33.6	7.4
CONGESTIVE HEART FAILURE.....	259	15.1	15.3	2.5	26.6	23.5	4.6	33.6	30.3	4.0
PNEUMONIA/INFLUENZA.....	180	17.8	17.0	2.9	27.2	23.1	4.2	32.2	27.8	5.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	58	12.1	9.1	5.3	15.5	15.2	5.1	22.4	20.3	5.6
TRANSIENT CEREBRAL ISCHEMIA.....	78	1.3	2.1	2.5	1.3	4.6	4.5	3.8	7.3	6.0
STROKE.....	184	19.6	21.7	3.9	25.0	28.1	5.3	29.3	32.5	4.6
HIP FRACTURE.....	241	9.1	7.6	2.1	14.5	13.4	2.6	18.3	17.1	3.1
SEPSIS.....	63	15.9	27.1	8.7	25.4	34.6	8.3	31.7	41.0	8.0
PROCEDURES:										
ANGIOPLASTY.....	161	3.1	4.1	1.7	5.6	5.2	2.0	6.2	6.4	1.9
CORONARY ARTERY BYPASS GRAFT.....	114	4.4	5.1	2.4	11.4	7.4	3.5	11.4	8.9	3.5
INITIAL PACEMAKER INSERTION.....	58	1.7	4.0	3.5	3.4	7.6	6.0	6.9	10.9	7.6
CARDIAC ENDARTERECTOMY.....	43	2.3	1.8	*	4.7	3.4	*	4.7	5.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	205	4.9	3.3	1.9	6.3	6.1	2.0	8.3	8.2	2.1
OPEN REDUCTION OF HIP FRACTURE.....	107	10.3	7.0	4.5	15.9	12.9	6.0	18.7	16.7	6.3
PROSTATECTOMY.....	237	1.3	1.5	0.9	2.5	3.5	1.7	3.0	5.8	2.5
CHOLECYSTECTOMY.....	136	1.5	3.3	2.5	2.9	5.9	3.5	4.4	7.6	3.8
HYSTERECTOMY.....	70	1.4	1.1	1.4	1.4	2.4	2.0	4.3	3.8	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 24,278					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.31	27.90	0.34	0.84	0.01	4.77	5.10	0.14	0.93	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.58	0.83	0.06	0.70	0.05					
CONGESTIVE HEART FAILURE.....	1.24	1.68	0.08	0.74	0.04					
PNEUMONIA/INFLUENZA.....	0.83	1.29	0.07	0.64	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.29	0.48	0.04	0.61	0.06					
TRANSIENT CEREBRAL ISCHEMIA.....	0.33	0.40	0.04	0.83	0.08					
STROKE.....	0.77	0.90	0.06	0.86	0.06					
HIP FRACTURE.....	0.76	0.69	0.05	1.09	0.08					
SEPSIS.....	0.31	0.36	0.04	0.86	0.09					
PROCEDURES:										
ANGIOPLASTY.....	0.43	0.24	0.03	1.79	0.23					
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.33	0.04	0.85	0.09					
INITIAL PACEMAKER INSERTION.....	0.17	0.18	0.03	0.94	0.14					
CARDIAC ENDARTERECTOMY.....	0.11	0.11	0.02	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.45	0.04	1.22	0.12					
OPEN REDUCTION OF HIP FRACTURE.....	0.34	0.33	0.04	1.04	0.12					
PROSTATECTOMY.....	0.75	0.69	0.05	1.10	0.08					
CHOLECYSTECTOMY.....	0.47	0.40	0.04	1.17	0.12					
HYSTERECTOMY.....	0.26	0.17	0.03	1.53	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

WICHITA, KS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	16,249	8.2	8.0	0.2	12.4	12.4	0.3	15.5	16.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	460	24.1	26.6	2.3	26.7	30.0	2.4	28.5	33.5	2.9
CONGESTIVE HEART FAILURE.....	712	17.4	14.8	2.4	25.1	23.2	2.8	33.6	30.1	2.8
PNEUMONIA/INFLUENZA.....	576	15.5	16.1	2.1	22.4	21.9	2.2	26.4	26.4	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	192	7.8	8.0	2.2	15.6	13.6	3.5	19.8	18.6	3.5
TRANSIENT CEREBRAL ISCHEMIA.....	195	1.0	1.9	1.7	2.6	4.2	2.9	4.6	6.7	3.6
STROKE.....	447	19.9	20.7	2.5	28.2	27.6	2.2	31.5	32.2	2.4
HIP FRACTURE.....	400	5.5	6.4	1.8	12.0	11.5	1.7	13.8	15.1	2.1
SEPSIS.....	152	30.9	29.3	3.9	36.8	38.2	4.4	41.4	45.4	4.5
PROCEDURES:										
ANGIOPLASTY.....	375	2.9	3.0	0.9	3.5	4.1	1.2	5.1	5.4	1.3
CORONARY ARTERY BYPASS GRAFT.....	509	6.5	5.0	1.3	7.9	7.3	1.3	8.6	8.8	1.3
INITIAL PACEMAKER INSERTION.....	198	1.5	2.9	1.6	3.5	5.7	2.7	5.6	8.4	3.9
CAROTID ENDARTERECTOMY.....	215	0.5	1.6	1.1	0.9	3.0	1.7	1.4	4.5	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	429	2.1	2.4	0.9	4.4	4.6	1.2	6.3	6.2	1.4
OPEN REDUCTION OF HIP FRACTURE.....	212	4.7	5.8	2.0	11.3	10.9	2.4	12.7	14.4	3.4
PROSTATECTOMY.....	545	0.7	1.1	0.5	1.8	2.6	1.0	3.3	4.4	1.4
CHOLECYSTECTOMY.....	289	3.8	2.9	1.3	5.9	5.4	1.4	6.9	7.2	1.6
HYSTERECTOMY.....	142	2.1	0.7	1.5	2.1	1.4	1.5	2.8	2.2	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 63,534						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.01	27.48	0.21	0.98	0.01		4.53	4.68	0.09	0.97	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.67	0.87	0.04	0.78	0.03						
CONGESTIVE HEART FAILURE.....	1.72	1.65	0.05	1.05	0.03						
PNEUMONIA/INFLUENZA.....	1.22	1.18	0.04	1.03	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.47	0.03	1.06	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.40	0.02	0.78	0.05						
STROKE.....	0.83	0.91	0.04	0.91	0.04						
HIP FRACTURE.....	0.65	0.62	0.03	1.04	0.05						
SEPSIS.....	0.34	0.33	0.02	1.05	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.32	0.23	0.02	1.42	0.13						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.34	0.02	1.12	0.08						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.02	1.09	0.11						
CAROTID ENDARTERECTOMY.....	0.22	0.11	0.01	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.43	0.03	1.16	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.30	0.02	1.07	0.08						
PROSTATECTOMY.....	0.74	0.74	0.03	**	**						
CHOLECYSTECTOMY.....	0.44	0.42	0.03	1.03	0.06						
HYSTERECTOMY.....	0.21	0.17	0.02	1.18	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

KS-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	35,589	9.4	9.5	0.2	14.0	14.3	0.5	17.2	18.1	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,123	31.2	29.2	1.4	35.3	32.9	2.0	37.1	36.6	1.5
CONGESTIVE HEART FAILURE.....	1,881	16.6	15.7	1.0	25.3	24.3	1.6	30.7	31.3	1.1
PNEUMONIA/INFLUENZA.....	2,753	13.7	16.4	0.9	19.3	22.5	1.2	23.0	27.2	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	513	6.6	7.3	1.4	12.1	13.0	2.5	16.6	18.0	2.4
TRANSIENT CEREBRAL ISCHEMIA.....	572	2.6	2.1	0.8	5.1	4.7	1.2	8.4	7.6	1.6
STROKE.....	1,318	23.0	21.2	1.6	30.4	28.0	1.8	34.2	32.7	1.5
HIP FRACTURE.....	991	6.7	6.5	0.8	11.2	11.7	1.1	15.7	15.3	1.5
SEPSIS.....	405	23.0	26.6	3.3	30.6	34.5	3.9	35.6	40.8	4.3
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	143	5.6	4.9	2.5	9.8	8.6	2.7	14.0	11.7	3.5
CAROTID ENDOARTERECTOMY.....	112	0.9	1.5	1.6	3.6	2.9	1.7	3.6	4.4	2.3
HIP REPLACEMENT/RECONSTRUCTION.....	595	3.5	3.6	1.0	6.4	6.9	1.1	9.1	9.2	1.2
OPEN REDUCTION OF HIP FRACTURE.....	365	4.7	5.7	1.6	8.8	10.8	2.0	13.2	14.3	2.0
PROSTATECTOMY.....	1,232	0.9	0.9	0.3	1.9	2.1	0.4	3.4	3.5	0.5
CHOLECYSTECTOMY.....	719	2.8	2.6	0.8	4.6	4.7	0.8	6.0	6.2	1.0
HYSTERECTOMY.....	336	0.9	0.7	0.6	1.5	1.6	0.7	2.7	2.4	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 210,963						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	33.65	29.04	0.12	1.16	0.00		4.76	4.97	0.05	0.96	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.13	0.99	0.02	1.17	0.03						
CONGESTIVE HEART FAILURE.....	1.86	1.75	0.03	1.06	0.02						
PNEUMONIA/INFLUENZA.....	2.03	1.44	0.03	1.40	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.51	0.49	0.02	1.04	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.47	0.42	0.01	1.11	0.04						
STROKE.....	1.02	0.96	0.02	1.08	0.02						
HIP FRACTURE.....	0.82	0.70	0.02	1.16	0.03						
SEPSIS.....	0.36	0.32	0.01	1.14	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.33	0.22	0.01	1.55	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.36	0.01	1.02	0.04						
INITIAL PACEMAKER INSERTION.....	0.22	0.20	0.01	1.08	0.06						
CAROTID ENDOARTERECTOMY.....	0.20	0.11	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.61	0.49	0.01	1.21	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.33	0.01	0.93	0.04						
PROSTATECTOMY.....	1.00	0.82	0.02	1.21	0.03						
CHOLECYSTECTOMY.....	0.55	0.48	0.01	1.17	0.04						
HYSTERECTOMY.....	0.23	0.18	0.01	1.17	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

CLARKSVILLE-HOPKINSVILL, TN-KY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,215	10.1	9.1	0.6	15.1	13.8	0.8	19.3	17.5	0.9
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	110	28.2	29.0	5.1	33.6	32.3	4.8	39.1	35.9	5.4
CONGESTIVE HEART FAILURE.....	137	19.0	16.1	3.6	30.7	24.6	4.7	38.7	31.5	5.6
PNEUMONIA/INFLUENZA.....	206	19.9	15.6	4.1	24.8	21.6	4.0	29.6	26.4	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	53	7.5	5.3	3.8	15.1	9.5	6.2	18.9	13.6	9.5
TRANSIENT CEREBRAL ISCHEMIA.....	37	2.7	1.9	*	2.7	4.4	*	5.4	7.1	*
STROKE.....	154	16.9	19.8	4.9	23.4	26.2	5.0	27.3	30.6	5.8
HIP FRACTURE.....	103	7.8	6.4	4.0	15.5	11.8	5.7	20.4	15.5	6.2
SEPSIS.....	27	14.8	23.4	*	18.5	31.8	*	25.9	37.7	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	21	4.8	3.3	*	14.3	6.0	*	14.3	8.4	*
CAROTID ENDARTERECTOMY.....	9	0.0	2.7	*	0.0	5.8	*	11.1	8.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	45	6.7	5.4	*	11.1	10.2	*	15.6	13.6	*
OPEN REDUCTION OF HIP FRACTURE.....	57	5.3	5.3	6.4	15.8	10.3	9.7	21.1	13.9	10.9
PROSTATECTOMY.....	208	1.9	0.7	0.9	4.3	1.8	1.5	5.3	3.1	1.6
CHOLECYSTECTOMY.....	93	3.2	3.0	1.9	5.4	5.4	2.4	9.7	7.1	3.4
HYSTERECTOMY.....	33	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,133						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.77	31.64	0.44	1.00	0.01		4.85	4.85	0.17	**	**
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.20	0.94	0.08	1.30	0.11						
CONGESTIVE HEART FAILURE.....	1.51	1.94	0.11	0.78	0.04						
PNEUMONIA/INFLUENZA.....	1.71	1.45	0.09	1.19	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.54	0.60	0.06	0.86	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.48	0.05	0.89	0.10						
STROKE.....	1.15	1.06	0.08	1.08	0.08						
HIP FRACTURE.....	0.60	0.58	0.06	1.11	0.12						
SEPSIS.....	0.29	0.40	0.05	0.70	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.24	0.04	0.67	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.35	0.05	1.00	0.13						
INITIAL PACEMAKER INSERTION.....	0.23	0.19	0.03	1.24	0.23						
CAROTID ENDARTERECTOMY.....	0.17	0.14	0.03	1.00	0.22						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.37	0.05	1.01	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.35	0.29	0.04	1.30	0.20						
PROSTATECTOMY.....	1.05	0.74	0.07	1.43	0.13						
CHOLECYSTECTOMY.....	0.59	0.48	0.05	1.26	0.15						
HYSTERECTOMY.....	0.23	0.17	0.03	1.36	0.27						

** QUANTITIES COULD NOT BE ESTIMATED

HUNTINGTON-ASHLAND, WV-KY-OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,851	9.0	8.7	0.4	13.7	13.1	0.6	17.1	16.8	0.7
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	410	30.0	27.1	4.2	34.6	30.6	4.7	36.6	34.2	4.3
CONGESTIVE HEART FAILURE.....	568	15.1	14.9	1.5	25.7	22.8	2.5	32.2	29.4	2.9
PNEUMONIA/INFLUENZA.....	549	15.7	16.5	2.1	21.3	22.8	3.1	25.3	27.6	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	154	9.1	5.6	2.3	12.3	10.5	2.6	15.6	15.1	2.9
TRANSIENT CEREBRAL ISCHEMIA.....	177	0.6	1.8	1.3	3.4	4.0	1.7	5.6	6.5	1.9
STROKE.....	347	20.2	20.2	2.3	27.1	26.3	2.5	30.8	30.7	2.5
HIP FRACTURE.....	257	5.8	6.0	1.6	9.7	10.8	2.1	14.0	14.0	2.2
SEPSIS.....	103	22.3	29.1	5.6	35.0	37.0	5.0	39.8	43.4	5.1
PROCEDURES:										
ANGIOPLASTY.....	33	3.0	4.3	*	3.0	5.4	*	6.1	6.5	*
CORONARY ARTERY BYPASS GRAFT.....	96	5.2	5.1	2.7	7.3	7.2	2.6	8.3	8.5	3.1
INITIAL PACEMAKER INSERTION.....	58	3.4	4.1	2.7	8.6	7.9	4.0	17.2	11.2	5.4
CAROTID ENDARTERECTOMY.....	77	1.3	1.3	1.3	3.9	2.4	2.2	5.2	3.5	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	168	4.8	3.5	1.9	7.7	6.6	2.1	8.3	8.9	2.2
OPEN REDUCTION OF HIP FRACTURE.....	118	1.7	5.1	3.9	5.9	9.6	5.2	10.2	12.7	4.5
PROSTATECTOMY.....	311	1.6	1.1	0.7	3.2	2.7	1.1	6.1	4.5	1.6
CHOLECYSTECTOMY.....	205	5.4	2.8	1.7	8.8	5.0	2.4	10.2	6.6	2.9
HYSTERECTOMY.....	73	0.0	0.6	1.2	2.7	1.4	1.7	2.7	2.1	2.1

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 53,470						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.19	29.95	0.24	1.04	0.01		4.84	4.65	0.09	1.04	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.26	0.98	0.04	1.29	0.06						
CONGESTIVE HEART FAILURE.....	1.91	1.78	0.06	1.07	0.03						
PNEUMONIA/INFLUENZA.....	1.63	1.47	0.05	1.11	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.66	0.04	0.93	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.51	0.47	0.03	1.08	0.07						
STROKE.....	0.92	0.93	0.04	0.99	0.04						
HIP FRACTURE.....	0.60	0.59	0.03	1.02	0.06						
SEPSIS.....	0.36	0.33	0.02	1.11	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.15	0.25	0.02	0.61	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.36	0.03	0.91	0.07						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.02	0.87	0.09						
CAROTID ENDARTERECTOMY.....	0.16	0.14	0.02	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.41	0.03	0.92	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.28	0.02	0.94	0.08						
PROSTATECTOMY.....	0.66	0.73	0.04	0.89	0.05						
CHOLECYSTECTOMY.....	0.49	0.52	0.03	0.93	0.06						
HYSTERECTOMY.....	0.16	0.18	0.02	1.00	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

LEXINGTON-FAYETTE, KY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,948	8.4	8.1	0.4	12.9	12.5	0.4	16.2	16.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	435	24.4	23.1	3.2	29.4	26.0	3.7	32.0	29.0	4.3
CONGESTIVE HEART FAILURE.....	481	17.9	14.8	2.6	26.4	23.1	2.5	31.4	30.0	2.3
PNEUMONIA/INFLUENZA.....	475	14.1	15.6	1.9	21.5	21.5	2.1	26.5	26.2	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	150	6.0	6.6	2.7	13.3	11.7	3.1	19.3	16.1	4.2
TRANSIENT CEREBRAL ISCHEMIA.....	184	0.5	1.7	1.5	2.7	3.9	2.3	4.3	6.1	3.2
STROKE.....	426	17.6	18.9	2.1	23.9	25.2	2.8	26.3	29.5	3.4
HIP FRACTURE.....	297	4.0	6.0	2.0	6.7	10.8	2.9	10.8	14.1	3.0
SEPSIS.....	123	28.5	24.1	4.8	34.1	31.7	4.4	35.0	37.6	4.6
PROCEDURES:										
ANGIOPLASTY.....	136	9.6	4.8	3.2	11.0	5.7	3.5	11.8	6.9	3.5
CORONARY ARTERY BYPASS GRAFT.....	335	7.8	4.5	2.4	9.3	6.5	2.5	10.7	7.8	2.8
INITIAL PACEMAKER INSERTION.....	156	5.1	3.1	2.4	7.1	5.8	3.6	11.5	8.4	5.0
CAROTID ENDARTERECTOMY.....	85	1.2	1.4	1.7	4.7	2.6	2.7	4.7	3.8	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	236	1.7	2.1	1.4	3.0	3.9	1.6	4.7	5.3	1.6
OPEN REDUCTION OF HIP FRACTURE.....	175	4.6	5.7	2.6	7.4	10.8	4.5	11.4	14.3	4.7
PROSTATECTOMY.....	413	1.5	0.8	0.6	2.4	2.0	0.8	3.4	3.4	0.9
CHOLECYSTECTOMY.....	284	1.8	2.8	1.4	4.2	5.1	2.0	6.0	6.9	2.1
HYSTERECTOMY.....	121	1.7	0.8	1.0	3.3	1.9	1.6	5.8	3.0	2.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 39,939						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.31	30.49	0.28	0.90	0.01		4.64	4.82	0.11	0.96	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.95	0.05	0.90	0.05						
CONGESTIVE HEART FAILURE.....	1.51	1.87	0.07	0.80	0.03						
PNEUMONIA/INFLUENZA.....	1.30	1.35	0.06	0.96	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.57	0.04	0.84	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.35	0.47	0.03	0.72	0.05						
STROKE.....	0.99	1.02	0.05	0.96	0.05						
HIP FRACTURE.....	0.71	0.61	0.04	1.15	0.07						
SEPSIS.....	0.31	0.37	0.03	0.83	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.13	0.23	0.02	0.54	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.35	0.03	0.91	0.08						
INITIAL PACEMAKER INSERTION.....	0.24	0.19	0.02	1.20	0.14						
CAROTID ENDARTERECTOMY.....	0.07	0.13	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.39	0.03	0.92	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.44	0.30	0.03	1.41	0.13						
PROSTATECTOMY.....	0.68	0.72	0.04	0.96	0.06						
CHOLECYSTECTOMY.....	0.48	0.48	0.03	1.02	0.07						
HYSTERECTOMY.....	0.18	0.17	0.02	1.07	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

OWENSBORO, KY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,907	9.3	8.7	0.6	14.3	13.3	0.9	17.6	16.9	1.0
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	113	31.0	28.4	6.3	36.3	31.8	6.9	38.9	35.3	7.1
CONGESTIVE HEART FAILURE.....	158	17.7	14.4	5.2	27.8	22.5	6.6	34.2	29.3	7.8
PNEUMONIA/INFLUENZA.....	251	15.5	17.2	2.6	23.1	23.5	3.6	27.1	28.4	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	45	4.4	7.6	*	15.6	13.1	*	20.0	17.7	*
TRANSIENT CEREBRAL ISCHEMIA.....	87	1.1	1.8	1.6	3.4	4.0	2.2	5.7	6.4	2.8
STROKE.....	156	19.9	20.7	5.2	28.2	26.7	5.1	32.1	31.2	4.4
HIP FRACTURE.....	104	8.7	5.9	3.3	11.5	10.7	3.3	14.4	14.1	3.5
SEPSIS.....	32	28.1	22.4	*	40.6	30.9	*	50.0	37.3	*
PROCEDUREES:										
ANGIOPLASTY.....	5	0.0	3.2	*	0.0	4.0	*	0.0	5.1	*
CORONARY ARTERY BYPASS GRAFT.....	15	13.3	8.2	*	13.3	12.1	*	13.3	14.8	*
INITIAL PACEMAKER INSERTION.....	16	6.3	4.6	*	12.5	8.4	*	12.5	11.8	*
CAROTIO ENDARTERECTOMY.....	36	0.0	1.5	*	2.8	2.8	*	2.8	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	74	8.1	3.6	4.5	9.5	6.7	4.4	10.8	9.0	4.4
OPEN REDUCTION OF HIP FRACTURE.....	35	8.6	4.7	*	8.6	9.1	*	14.3	12.3	*
PROSTATECTOMY.....	129	3.1	1.0	1.4	4.7	2.3	2.1	7.0	3.9	2.6
CHOLECYSTECTOMY.....	72	0.0	2.3	*	0.0	4.3	*	0.0	5.7	*
HYSTERECTOMY.....	41	2.4	0.9	*	2.4	2.0	*	2.4	3.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 13,278						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	
ALL CAUSES.....	35.34	29.20	0.47	1.21	0.02		5.12	4.62	0.19	1.11	0.04
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.94	0.08	0.99	0.09						
CONGESTIVE HEART FAILURE.....	1.54	1.74	0.11	0.89	0.06						
PNEUMONIA/INFLUENZA.....	2.30	1.30	0.10	1.77	0.13						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.64	0.58	0.07	1.11	0.13						
TRANSIENT CEREBRAL ISCHEMIA.....	0.65	0.45	0.06	1.38	0.18						
STROKE.....	1.08	0.94	0.08	1.15	0.10						
HIP FRACTURE.....	0.72	0.59	0.07	1.21	0.14						
SEPSIS.....	0.37	0.33	0.05	1.16	0.18						
PROCEDUREES:											
ANGIOPLASTY.....	0.13	0.23	0.04	0.55	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.35	0.05	1.08	0.16						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.04	0.96	0.20						
CAROTIO ENDARTERECTOMY.....	0.26	0.13	0.03	1.00	0.25						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.40	0.05	1.20	0.17						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.29	0.05	0.80	0.13						
PROSTATECTOMY.....	0.92	0.70	0.07	1.30	0.14						
CHOLECYSTECTOMY.....	0.56	0.48	0.06	1.23	0.16						
HYSTERECTOMY.....	0.30	0.17	0.04	1.57	0.35						

** QUANTITIES COULD NOT BE ESTIMATED

KY-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	55,467	9.3	9.2	0.1	14.1	14.0	0.3	17.5	17.8	0.2
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,820	32.5	27.6	1.2	37.3	31.0	1.3	40.0	34.5	1.3
CONGESTIVE HEART FAILURE.....	2,776	17.4	15.1	0.9	25.8	23.6	1.0	31.3	30.5	0.9
PNEUMONIA/INFLUENZA.....	3,716	13.0	15.9	1.0	19.1	21.9	1.0	23.2	26.6	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,463	5.1	5.7	0.7	9.4	10.8	1.2	13.3	15.5	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	1,133	1.5	2.0	0.6	4.0	4.4	0.7	7.3	7.1	0.9
STROKE.....	1,974	21.3	20.4	1.1	29.1	27.1	1.3	32.5	31.7	1.1
HIP FRACTURE.....	1,226	6.5	6.3	1.3	12.4	11.4	1.6	15.3	14.9	1.2
SEPSIS.....	498	26.5	27.5	2.4	35.3	35.7	2.9	41.0	42.0	2.4
PROCEURES:										
ANGIOPLASTY.....	71	11.3	5.8	4.8	11.3	7.0	4.9	11.3	8.4	5.3
CORONARY ARTERY BYPASS GRAFT.....	180	2.2	6.0	2.7	6.1	8.6	2.8	6.7	10.1	2.9
INITIAL PACEMAKER INSERTION.....	208	2.9	3.4	1.4	4.3	6.4	2.2	6.7	9.1	3.1
CAROTID ENDARTERECTOMY.....	169	1.2	1.5	1.0	4.1	2.8	1.4	5.9	4.2	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	642	4.4	3.9	1.7	9.2	7.3	2.0	11.4	9.8	1.9
OPEN REDUCTION OF HIP FRACTURE.....	624	5.9	5.8	0.9	10.6	10.9	1.3	13.0	14.5	1.9
PROSTATECTOMY.....	1,269	1.6	1.1	0.5	2.8	2.6	0.9	5.0	4.3	1.1
CHOLECYSTECTOMY.....	1,128	4.3	2.8	1.0	6.4	5.1	1.0	8.2	6.7	1.2
HYSTERECTOMY.....	299	0.7	0.9	0.5	1.0	1.7	0.8	2.0	2.4	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 318,825						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.81	31.87	0.10	1.12	0.00		4.80	4.70	0.04	1.02	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.10	1.06	0.02	1.04	0.02						
CONGESTIVE HEART FAILURE.....	1.98	1.88	0.02	1.05	0.01						
PNEUMONIA/INFLUENZA.....	2.14	1.73	0.02	1.23	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1.00	0.75	0.02	1.31	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.63	0.51	0.01	1.22	0.03						
STROKE.....	1.12	0.98	0.02	1.13	0.02						
HIP FRACTURE.....	0.62	0.59	0.01	1.06	0.03						
SEPSIS.....	0.34	0.34	0.01	0.98	0.03						
PROCEURES:											
ANGIOPLASTY.....	0.19	0.24	0.01	0.80	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.36	0.01	1.14	0.04						
INITIAL PACEMAKER INSERTION.....	0.19	0.18	0.01	1.04	0.05						
CAROTID ENDARTERECTOMY.....	0.14	0.14	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.41	0.01	0.92	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.28	0.01	1.07	0.04						
PROSTATECTOMY.....	0.72	0.75	0.01	0.95	0.02						
CHOLECYSTECTOMY.....	0.61	0.56	0.01	1.08	0.03						
HYSTERECTOMY.....	0.17	0.18	0.01	0.93	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

ALEXANDRIA, LA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,529	9.2	8.1	0.8	13.4	12.7	0.6	16.8	16.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	133	30.1	24.5	7.1	34.6	27.9	7.8	38.3	31.4	8.6
CONGESTIVE HEART FAILURE.....	279	19.7	13.7	3.4	26.9	21.6	3.4	32.6	28.1	3.3
PNEUMONIA/INFLUENZA.....	215	14.9	15.9	3.2	22.3	21.9	2.9	26.5	26.6	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	57	10.5	6.2	4.9	14.0	11.5	5.6	19.3	16.3	7.6
TRANSIENT CEREBRAL ISCHEMIA.....	90	1.1	1.7	1.5	1.1	3.7	2.9	4.4	5.8	3.3
STROKE.....	160	25.6	19.9	4.5	28.7	26.2	4.1	33.1	30.5	4.1
HIP FRACTURE.....	103	2.9	6.3	5.1	7.8	10.9	6.7	10.7	14.0	6.0
SEPSIS.....	69	34.8	28.8	11.2	46.4	38.6	11.4	52.2	45.6	10.1
PROCEDURES:										
ANGIOPLASTY.....	92	6.5	3.9	4.1	9.8	5.0	5.0	10.9	6.3	5.8
CORONARY ARTERY BYPASS GRAFT.....	73	16.4	4.7	4.0	20.5	6.6	4.7	21.9	8.0	4.8
INITIAL PACEMAKER INSERTION.....	56	3.6	2.6	2.3	5.4	5.7	3.2	7.1	8.8	4.5
CAROTID ENDARTERECTOMY.....	74	2.7	1.4	1.7	4.1	2.7	2.3	5.4	4.1	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	57	1.8	3.7	3.1	7.0	7.2	3.6	7.0	9.8	4.6
OPEN REDUCTION OF HIP FRACTURE.....	67	3.0	5.7	5.6	6.0	10.4	7.2	10.4	13.4	6.0
PROSTATECTOMY.....	162	1.9	1.1	1.0	4.3	2.6	1.9	5.6	4.4	2.2
CHOLECYSTECTOMY.....	112	0.9	2.7	2.7	6.3	4.9	2.5	8.0	6.5	3.0
HYSTERECTOMY.....	25	4.0	0.7	*	4.0	1.4	*	4.0	2.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 18,611						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.40	33.29	0.42	0.97	0.01		5.20	5.27	0.17	0.99	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.67	0.91	0.07	0.73	0.06						
CONGESTIVE HEART FAILURE.....	2.04	2.06	0.10	0.99	0.05						
PNEUMONIA/INFLUENZA.....	1.52	1.69	0.09	0.90	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.44	0.66	0.06	0.67	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.49	0.05	0.81	0.08						
STROKE.....	0.94	1.08	0.08	0.87	0.06						
HIP FRACTURE.....	0.49	0.61	0.06	0.81	0.08						
SEPSIS.....	0.50	0.45	0.05	1.11	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.42	0.23	0.03	1.84	0.28						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.32	0.04	1.08	0.14						
INITIAL PACEMAKER INSERTION.....	0.23	0.17	0.03	1.30	0.23						
CAROTID ENDARTERECTOMY.....	0.25	0.13	0.03	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.31	0.35	0.04	0.86	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.30	0.04	0.96	0.13						
PROSTATECTOMY.....	0.60	0.67	0.06	0.90	0.08						
CHOLECYSTECTOMY.....	0.50	0.47	0.05	1.07	0.11						
HYSTERECTOMY.....	0.09	0.16	0.03	0.53	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

BATON ROUGE, LA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	11,226	9.9	8.8	0.4	15.1	13.7	0.5	18.8	17.6	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	359	22.6	24.9	2.4	27.0	27.9	2.4	30.4	31.2	2.5
CONGESTIVE HEART FAILURE.....	658	16.3	13.4	1.7	25.4	20.9	2.3	32.5	27.3	2.5
PNEUMONIA/INFLUENZA.....	396	18.7	15.0	3.2	25.0	20.5	3.3	28.5	24.9	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	79	6.3	6.3	3.0	10.1	11.5	4.6	19.0	16.3	5.7
TRANSIENT CEREBRAL ISCHEMIA.....	170	1.8	1.7	1.4	5.3	3.8	2.5	6.5	6.0	1.9
STROKE.....	439	16.9	19.4	2.2	24.4	25.7	2.4	30.8	30.0	2.2
HIP FRACTURE.....	249	8.4	6.2	2.7	14.1	11.3	3.5	18.1	14.7	4.4
SEPSIS.....	109	37.6	28.1	6.4	45.9	37.1	6.2	49.5	43.1	6.2
PROCEDURES:										
ANGIOPLASTY.....	144	4.2	3.8	1.7	4.9	4.8	1.8	6.9	6.0	2.4
CORONARY ARTERY BYPASS GRAFT.....	191	11.0	5.5	3.3	13.1	7.5	3.5	14.1	9.0	3.5
INITIAL PACEMAKER INSERTION.....	99	2.0	3.3	3.2	5.1	6.2	4.8	7.1	8.9	5.1
CAROTID ENDOARTERECTOMY.....	72	1.4	1.7	1.6	2.8	3.4	2.5	2.8	5.0	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	171	6.4	3.6	2.1	9.4	6.8	2.5	14.0	9.2	3.6
OPEN REDUCTION OF HIP FRACTURE.....	122	5.7	5.8	2.7	12.3	10.8	3.1	13.9	14.2	3.2
PROSTATECTOMY.....	370	0.5	1.0	0.6	1.6	2.4	1.1	1.9	4.0	1.5
CHOLECYSTECTOMY.....	264	4.5	3.3	1.5	6.8	5.9	1.8	8.7	7.6	2.1
HYSTERECTOMY.....	78	0.0	1.2	1.6	3.8	2.7	2.1	5.1	4.2	2.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 53,593									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.86	29.48	0.23	0.98	0.01	4.71	4.90	0.10	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.79	0.04	1.07	0.05					
CONGESTIVE HEART FAILURE.....	1.95	1.83	0.06	1.07	0.03					
PNEUMONIA/INFLUENZA.....	1.01	1.19	0.05	0.85	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.27	0.50	0.03	0.54	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.42	0.03	0.97	0.07					
STROKE.....	1.01	1.01	0.04	**	**					
HIP FRACTURE.....	0.54	0.54	0.03	1.02	0.06					
SEPSIS.....	0.35	0.43	0.03	0.81	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.33	0.25	0.02	1.28	0.11					
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.33	0.02	1.11	0.08					
INITIAL PACEMAKER INSERTION.....	0.23	0.18	0.02	1.27	0.13					
CAROTID ENDOARTERECTOMY.....	0.15	0.12	0.01	1.00	0.13					
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.34	0.02	0.99	0.07					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.27	0.02	1.05	0.09					
PROSTATECTOMY.....	0.77	0.72	0.04	1.08	0.06					
CHOLECYSTECTOMY.....	0.54	0.39	0.03	1.40	0.10					
HYSTERECTOMY.....	0.15	0.15	0.02	1.05	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

HOUMA-THIBODAUX, LA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	4,744	7.6	7.4	0.4	11.7	11.4	0.5	14.5	14.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	125	20.0	25.0	5.4	26.4	28.2	4.2	28.8	31.6	5.1
CONGESTIVE HEART FAILURE.....	204	16.2	13.3	5.2	24.0	20.8	4.9	30.9	27.3	4.9
PNEUMONIA/INFLUENZA.....	219	16.0	13.9	3.3	21.5	19.2	3.0	24.2	23.6	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	68	0.0	5.0	4.9	10.3	9.5	5.3	11.8	13.8	5.0
TRANSIENT CEREBRAL ISCHEMIA.....	100	3.0	1.6	2.0	4.0	3.5	1.9	6.0	5.5	2.4
STROKE.....	133	25.6	18.9	5.1	30.1	24.6	4.8	33.8	29.0	5.1
HIP FRACTURE.....	81	6.2	5.8	2.7	9.9	10.5	3.5	13.6	13.8	3.9
SEPSIS.....	40	37.5	34.0	*	52.5	40.8	*	55.0	46.9	*
PROCEDURES:										
ANGIOPLASTY.....	68	5.9	3.8	5.2	13.2	5.2	5.1	14.7	6.6	5.3
CORONARY ARTERY BYPASS GRAFT.....	95	1.1	4.2	3.1	1.1	6.0	3.9	3.2	7.2	3.9
INITIAL PACEMAKER INSERTION.....	34	5.9	2.6	*	11.8	5.4	*	14.7	8.1	*
CAROTID ENDOARTERECTOMY.....	71	1.4	1.6	1.5	2.8	3.1	2.7	2.8	4.7	3.7
HIP REPLACEMENT/RECONSTRUCTION.....	29	6.9	4.2	*	13.8	8.2	*	13.8	11.2	*
OPEN REDUCTION OF HIP FRACTURE.....	52	5.8	5.5	3.3	11.5	10.6	4.4	17.3	14.3	6.2
PROSTATECTOMY.....	139	0.7	1.0	1.2	0.7	2.3	2.1	1.4	4.0	3.1
CHOLECYSTECTOMY.....	102	0.0	1.6	1.8	1.0	2.8	2.2	2.0	3.6	2.3
HYSTERECTOMY.....	20	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 19,723						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SD,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	36.61	30.17	0.39	1.21	0.02		4.18	4.77	0.16	0.88	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.87	0.07	1.15	0.09						
CONGESTIVE HEART FAILURE.....	1.80	1.86	0.10	0.98	0.05						
PNEUMONIA/INFLUENZA.....	1.49	1.42	0.08	1.05	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.73	0.71	0.06	1.03	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.63	0.46	0.05	1.32	0.14						
STROKE.....	0.97	0.93	0.07	1.03	0.08						
HIP FRACTURE.....	0.44	0.52	0.05	0.86	0.09						
SEPSIS.....	0.38	0.39	0.05	0.87	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.69	0.29	0.04	2.24	0.32						
CORONARY ARTERY BYPASS GRAFT.....	0.67	0.35	0.04	1.92	0.25						
INITIAL PACEMAKER INSERTION.....	0.22	0.16	0.03	1.41	0.29						
CAROTID ENDOARTERECTOMY.....	0.45	0.13	0.03	1.00	0.24						
HIP REPLACEMENT/RECONSTRUCTION.....	0.17	0.35	0.04	0.51	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.26	0.04	1.02	0.16						
PROSTATECTOMY.....	0.86	0.69	0.06	1.23	0.11						
CHOLECYSTECTOMY.....	0.61	0.46	0.05	1.31	0.14						
HYSTERECTOMY.....	0.13	0.16	0.03	1.00	0.21						

** QUANTITIES COULD NOT BE ESTIMATED

LAFAYETTE, LA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,937	8.3	7.4	0.7	12.3	11.6	0.6	15.6	15.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	136	26.5	24.6	4.4	29.4	27.7	4.0	29.4	30.8	4.0
CONGESTIVE HEART FAILURE.....	260	16.5	12.5	2.9	23.5	19.7	3.5	32.3	25.9	4.4
PNEUMONIA/INFLUENZA.....	209	13.4	14.1	2.5	19.1	19.6	3.7	21.1	23.9	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	51	5.9	5.2	3.4	11.8	9.4	4.7	13.7	13.3	4.8
TRANSIENT CEREBRAL ISCHEMIA.....	87	2.3	1.8	1.5	3.4	3.8	2.7	5.7	5.9	3.4
STROKE.....	200	12.0	18.9	4.6	20.5	25.2	4.7	23.5	29.5	4.6
HIP FRACTURE.....	84	7.1	6.1	4.2	13.1	10.7	5.2	15.5	13.9	4.7
SEPSIS.....	37	37.8	27.4	*	43.2	36.7	*	45.9	43.8	*
PROCEDURES:										
ANGIOPLASTY.....	110	3.6	2.4	2.2	3.6	3.1	2.4	3.6	4.0	2.9
CORONARY ARTERY BYPASS GRAFT.....	119	8.4	4.3	2.6	10.1	6.1	2.8	10.9	7.3	2.9
INITIAL PACEMAKER INSERTION.....	56	3.6	2.2	3.4	3.6	4.5	4.6	3.6	6.9	6.2
CAROTID ENDOARTERECTOMY.....	61	0.0	1.5	2.2	1.6	2.8	2.5	4.9	4.0	2.8
HIP REPLACEMENT/RECONSTRUCTION.....	70	1.4	3.3	3.0	4.3	6.3	4.4	4.3	8.6	5.3
OPEN REDUCTION OF HIP FRACTURE.....	44	11.4	5.3	*	18.2	9.8	*	22.7	12.8	*
PROSTATECTOMY.....	193	1.6	0.7	0.9	2.6	1.6	1.2	3.1	2.8	1.2
CHOLECYSTECTOMY.....	122	3.3	2.6	1.8	5.7	4.5	2.6	7.4	5.7	3.4
HYSTERECTOMY.....	32	0.0	0.4	*	0.0	1.0	*	0.0	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 20,583					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.04	30.75	0.39	0.98	0.01	4.52	5.12	0.16	0.88	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.68	0.83	0.06	0.82	0.06					
CONGESTIVE HEART FAILURE.....	2.03	1.93	0.10	1.05	0.05					
PNEUMONIA/INFLUENZA.....	1.33	1.38	0.08	0.96	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.40	0.58	0.05	0.70	0.06					
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.45	0.05	0.88	0.09					
STROKE.....	1.03	1.00	0.07	1.02	0.07					
HIP FRACTURE.....	0.40	0.59	0.05	0.68	0.06					
SEPSIS.....	0.25	0.44	0.05	0.58	0.06					
PROCEDURES:										
ANGIOPLASTY.....	0.34	0.27	0.04	1.25	0.17					
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.33	0.04	0.91	0.11					
INITIAL PACEMAKER INSERTION.....	0.22	0.17	0.03	1.31	0.22					
CAROTID ENDOARTERECTOMY.....	0.24	0.13	0.02	1.00	0.20					
HIP REPLACEMENT/RECONSTRUCTION.....	0.26	0.37	0.04	0.72	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.21	0.29	0.04	0.75	0.10					
PROSTATECTOMY.....	0.73	0.69	0.06	1.06	0.09					
CHOLECYSTECTOMY.....	0.62	0.42	0.04	1.50	0.16					
HYSTERECTOMY.....	0.15	0.15	0.03	0.96	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

LAKE CHARLES, LA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,489	9.6	8.5	0.5	14.1	13.1	0.7	17.5	16.8	0.6
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	163	26.4	24.5	3.8	30.1	27.6	4.8	35.6	30.9	6.2
CONGESTIVE HEART FAILURE.....	303	18.5	14.2	3.1	27.1	22.3	3.2	32.3	29.0	3.0
PNEUMONIA/INFLUENZA.....	225	18.7	14.5	4.4	24.0	19.8	5.1	28.4	24.1	5.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	62	6.5	5.0	3.5	11.3	9.3	4.0	14.5	13.4	4.6
TRANSIENT CEREBRAL ISCHEMIA.....	107	0.0	1.5	1.8	0.9	3.3	2.6	2.8	5.2	3.0
STROKE.....	172	20.9	18.0	4.2	24.4	24.2	3.5	29.7	28.6	3.6
HIP FRACTURE.....	113	8.0	6.4	3.0	11.5	11.4	3.0	12.4	14.8	4.0
SEPSIS.....	70	32.9	24.5	6.8	41.4	33.0	7.9	44.3	39.1	7.8
PROCEDURES:										
ANGIOPLASTY.....	32	3.1	3.2	*	3.1	4.2	*	6.3	5.4	*
CORONARY ARTERY BYPASS GRAFT.....	41	4.9	4.5	*	9.8	6.3	*	9.8	7.5	*
INITIAL PACEMAKER INSERTION.....	28	3.6	4.3	*	10.7	8.7	*	14.3	12.8	*
CAROTID ENOARTERECTOMY.....	68	1.5	1.7	1.6	2.9	3.3	2.8	2.9	5.0	3.8
HIP REPLACEMENT/RECONSTRUCTION.....	73	4.1	3.3	2.5	6.8	6.2	3.8	8.2	8.3	5.2
OPEN REDUCTION OF HIP FRACTURE.....	68	8.8	5.7	3.4	10.3	10.7	3.8	10.3	14.0	5.4
PROSTATECTOMY.....	273	1.5	1.0	0.7	2.9	2.4	1.1	4.4	4.0	1.3
CHOLECYSTECTOMY.....	132	5.3	3.5	2.6	6.8	6.2	2.6	8.3	7.9	2.4
HYSTERECTOMY.....	24	4.2	1.4	*	4.2	2.8	*	4.2	3.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 22,174					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	36.63	29.66	0.37	1.24	0.01	4.79	4.70	0.15	1.02	0.03
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.95	0.85	0.06	1.12	0.08					
CONGESTIVE HEART FAILURE.....	2.48	1.84	0.09	1.35	0.07					
PNEUMONIA/INFLUENZA.....	1.56	1.23	0.07	1.27	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.49	0.56	0.05	0.87	0.08					
TRANSIENT CEREBRAL ISCHEMIA.....	0.59	0.43	0.04	1.32	0.14					
STROKE.....	1.01	0.98	0.07	1.03	0.07					
HIP FRACTURE.....	0.51	0.52	0.05	0.99	0.09					
SEPSIS.....	0.60	0.40	0.04	1.45	0.16					
PROCEURES:										
ANGIOPLASTY.....	0.23	0.28	0.04	0.88	0.12					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.35	0.04	1.00	0.12					
INITIAL PACEMAKER INSERTION.....	0.16	0.18	0.03	0.86	0.14					
CAROTID ENOARTERECTOMY.....	0.29	0.14	0.03	1.00	0.19					
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.37	0.04	0.94	0.11					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.25	0.03	1.24	0.17					
PROSTATECTOMY.....	1.10	0.75	0.06	1.45	0.11					
CHOLECYSTECTOMY.....	0.69	0.43	0.04	1.66	0.17					
HYSTERECTOMY.....	0.12	0.16	0.03	0.77	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

MONROE, LA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,446	7.6	8.4	0.4	12.2	13.3	0.5	15.4	17.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	119	28.6	27.5	4.3	32.8	31.4	4.9	36.1	35.2	4.6
CONGESTIVE HEART FAILURE.....	308	12.7	13.5	2.0	20.8	21.5	2.8	24.7	28.2	3.7
PNEUMONIA/INFLUENZA.....	283	14.5	15.8	2.7	24.7	22.0	3.6	26.1	26.8	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	121	9.9	6.1	3.4	10.7	11.2	3.5	15.7	15.8	3.3
TRANSIENT CEREBRAL ISCHEMIA.....	97	0.0	1.7	2.0	2.1	4.0	2.5	4.1	6.5	3.4
STROKE.....	193	21.2	18.3	3.4	25.9	25.2	3.4	31.6	29.8	3.8
HIP FRACTURE.....	113	7.1	6.0	2.5	10.6	10.6	2.9	10.6	13.8	4.5
SEPSIS.....	65	23.1	25.3	11.2	26.2	33.3	10.8	33.8	39.0	9.5
PROCEDURES:										
ANGIOPLASTY.....	11	0.0	2.4	*	0.0	3.2	*	9.1	4.1	*
CORONARY ARTERY BYPASS GRAFT.....	20	0.0	4.7	*	0.0	6.5	*	5.0	7.8	*
INITIAL PACEMAKER INSERTION.....	35	8.6	4.7	*	11.4	8.3	*	14.3	11.4	*
CAROTID ENDARTERECTOMY.....	11	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	80	5.0	3.0	4.5	15.0	5.7	4.2	15.0	7.8	4.7
OPEN REDUCTION OF HIP FRACTURE.....	61	6.6	5.7	3.3	6.6	10.6	5.0	6.6	14.0	7.1
PROSTATECTOMY.....	173	0.6	1.0	0.9	1.7	2.3	1.2	2.9	4.0	1.8
CHOLECYSTECTOMY.....	97	5.2	2.2	2.5	8.2	4.0	3.7	8.2	5.3	4.1
HYSTERECTOMY.....	38	2.6	0.7	*	2.6	1.6	*	2.6	2.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 18,376						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	42.58	30.09	0.40	1.42	0.02		4.84	5.05	0.17	0.96	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.95	0.84	0.07	1.12	0.09						
CONGESTIVE HEART FAILURE.....	2.81	1.84	0.10	1.53	0.08						
PNEUMONIA/INFLUENZA.....	2.00	1.37	0.09	1.47	0.09						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.93	0.50	0.05	1.84	0.19						
TRANSIENT CEREBRAL ISCHEMIA.....	0.63	0.50	0.05	1.23	0.13						
STROKE.....	1.20	1.04	0.07	1.16	0.08						
HIP FRACTURE.....	0.58	0.60	0.06	0.93	0.09						
SEPSIS.....	0.56	0.42	0.05	1.31	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.21	0.03	0.79	0.13						
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.32	0.04	0.90	0.12						
INITIAL PACEMAKER INSERTION.....	0.19	0.18	0.03	1.00	0.18						
CAROTID ENDARTERECTOMY.....	0.07	0.12	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.38	0.04	0.93	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.04	0.89	0.13						
PROSTATECTOMY.....	0.88	0.71	0.06	1.26	0.11						
CHOLECYSTECTOMY.....	0.58	0.41	0.05	1.45	0.17						
HYSTERECTOMY.....	0.19	0.16	0.03	1.17	0.23						

** QUANTITIES COULD NOT BE ESTIMATED

NEW ORLEANS, LA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	36,733	8.4	8.3	0.2	13.4	13.0	0.4	16.8	16.6	0.3
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,038	24.5	23.5	1.4	29.2	27.0	1.9	32.5	30.4	1.8
CONGESTIVE HEART FAILURE.....	1,991	13.8	14.2	1.1	22.4	22.5	1.3	28.5	29.3	1.7
PNEUMONIA/INFLUENZA.....	1,109	13.4	15.6	1.9	21.2	21.5	1.3	24.6	26.1	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	345	5.5	5.9	1.5	11.6	10.9	2.6	15.7	15.3	2.0
TRANSIENT CEREBRAL ISCHEMIA.....	577	1.7	1.7	1.0	3.3	3.8	1.0	5.9	6.0	1.0
STROKE.....	1,168	18.9	19.9	1.8	26.4	26.3	1.5	30.7	30.7	1.4
HIP FRACTURE.....	654	5.2	6.3	1.7	9.8	11.2	1.9	13.8	14.6	1.5
SEPSIS.....	520	28.8	27.2	3.5	39.0	36.2	4.3	45.2	42.5	4.6
PROCEDURES:										
ANGIOPLASTY.....	467	4.9	3.1	1.6	5.8	4.1	1.6	6.6	5.2	1.5
CORONARY ARTERY BYPASS GRAFT.....	499	9.8	5.3	2.4	11.4	7.7	2.1	12.2	9.3	1.7
INITIAL PACEMAKER INSERTION.....	312	1.9	3.3	1.7	5.1	6.4	2.5	7.4	9.3	2.1
CAROTID ENDOARTERECTOMY.....	257	2.3	1.5	1.3	4.3	3.0	1.7	5.1	4.4	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	430	2.8	3.4	1.1	5.8	6.5	1.4	7.7	8.9	2.0
OPEN REDUCTION OF HIP FRACTURE.....	373	4.3	5.8	2.0	8.8	10.7	2.1	13.9	14.1	1.8
PROSTATECTOMY.....	931	0.4	1.0	0.6	1.9	2.3	0.7	3.2	3.8	1.1
CHOLECYSTECTOMY.....	676	3.8	3.0	1.0	6.5	5.3	1.4	7.8	6.9	1.3
HYSTERECTOMY.....	181	0.0	0.8	0.9	1.1	1.7	1.2	1.7	2.4	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 157,785					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.66	29.21	0.14	1.19	0.01	4.91	4.89	0.06	1.00	0.01
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.79	0.02	1.17	0.03					
CONGESTIVE HEART FAILURE.....	2.50	1.88	0.03	1.33	0.02					
PNEUMONIA/INFLUENZA.....	1.10	1.12	0.03	0.98	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.38	0.49	0.02	0.76	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.51	0.40	0.02	1.28	0.05					
STROKE.....	1.03	1.01	0.02	1.01	0.03					
HIP FRACTURE.....	0.53	0.53	0.02	1.02	0.04					
SEPSIS.....	0.57	0.41	0.02	1.36	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.39	0.23	0.01	1.70	0.09					
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.30	0.01	1.29	0.06					
INITIAL PACEMAKER INSERTION.....	0.27	0.18	0.01	1.48	0.09					
CAROTID ENDOARTERECTOMY.....	0.22	0.11	0.01	1.00	0.08					
HIP REPLACEMENT/RECONSTRUCTION.....	0.32	0.35	0.01	0.93	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.26	0.01	1.12	0.06					
PROSTATECTOMY.....	0.71	0.69	0.02	1.03	0.03					
CHOLECYSTECTOMY.....	0.52	0.38	0.01	1.38	0.06					
HYSTERECTOMY.....	0.14	0.15	0.01	0.94	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

SHREVEPORT, LA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	13,656	8.1	7.9	0.5	12.3	12.4	0.6	15.3	15.9	0.5
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	360	26.7	24.7	2.7	30.8	27.9	3.0	33.3	31.1	3.0
CONGESTIVE HEART FAILURE.....	602	15.1	13.9	1.9	24.3	21.8	2.6	29.4	28.4	2.3
PNEUMONIA/INFLUENZA.....	489	14.9	14.2	1.9	21.3	19.7	3.0	24.7	24.0	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	177	3.4	5.4	2.4	6.2	10.2	3.4	9.0	14.6	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	201	2.0	1.8	1.0	4.5	3.9	1.4	7.0	6.2	1.9
STROKE.....	434	18.4	19.9	2.0	22.8	26.2	2.6	26.5	30.6	2.9
HIP FRACTURE.....	293	9.6	6.4	2.3	13.3	11.6	2.1	15.7	15.0	2.1
SEPSIS.....	136	33.1	28.0	7.1	43.4	36.9	7.6	47.8	43.4	6.2
PROCEURES:										
ANGIOPLASTY.....	122	5.7	3.5	3.0	7.4	4.8	3.2	7.4	6.1	2.7
CORONARY ARTERY BYPASS GRAFT.....	218	12.4	5.0	2.5	14.7	7.4	2.6	15.6	9.1	2.7
INITIAL PACEMAKER INSERTION.....	127	3.1	3.4	1.7	5.5	6.2	2.2	8.7	8.7	2.5
CAROTID ENOARTERECTOMY.....	106	1.9	1.5	1.6	1.9	2.8	1.9	1.9	4.2	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	208	3.8	3.4	1.3	5.8	6.2	1.7	6.7	8.3	2.3
OPEN REDUCTION OF HIP FRACTURE.....	165	10.3	5.7	2.8	14.5	10.7	2.9	17.0	14.0	3.0
PROSTATECTOMY.....	565	1.9	1.2	0.8	3.2	2.7	0.8	4.6	4.4	0.9
CHOLECYSTECTOMY.....	210	2.4	2.6	1.7	3.3	4.7	2.4	3.8	6.4	2.9
HYSTERECTOMY.....	79	0.0	0.8	1.3	0.0	1.7	2.1	1.3	2.4	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 46,106						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.15	30.67	0.26	1.05	0.01		4.67	5.18	0.11	0.90	0.02
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.81	0.84	0.04	0.97	0.05						
CONGESTIVE HEART FAILURE.....	1.84	1.91	0.06	0.96	0.03						
PNEUMONIA/INFLUENZA.....	1.32	1.35	0.05	0.96	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.52	0.50	0.03	1.03	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.45	0.03	0.97	0.07						
STROKE.....	1.10	1.07	0.05	1.02	0.05						
HIP FRACTURE.....	0.62	0.58	0.04	1.09	0.07						
SEPSIS.....	0.38	0.43	0.03	0.85	0.06						
PROCEURES:											
ANGIOPLASTY.....	0.22	0.20	0.02	1.12	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.31	0.03	1.29	0.11						
INITIAL PACEMAKER INSERTION.....	0.26	0.19	0.02	1.37	0.16						
CAROTID ENOARTERECTOMY.....	0.18	0.10	0.02	1.00	0.17						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.36	0.03	1.14	0.09						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.28	0.02	1.16	0.11						
PROSTATECTOMY.....	1.01	0.71	0.04	1.41	0.08						
CHOLECYSTECTOMY.....	0.44	0.41	0.03	1.08	0.08						
HYSTERECTOMY.....	0.15	0.16	0.02	0.93	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

LA-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	29,970	9.6	9.4	0.2	14.2	14.3	0.2	17.7	18.2	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	833	31.5	27.6	2.2	35.5	31.1	2.2	38.8	34.8	2.3
CONGESTIVE HEART FAILURE.....	2,045	13.4	14.4	1.0	21.5	22.7	1.3	27.3	29.5	1.5
PNEUMONIA/INFLUENZA.....	2,269	13.4	15.2	1.3	19.0	21.0	1.5	23.5	25.5	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	480	6.0	5.3	1.2	9.8	10.3	1.6	12.9	14.9	2.4
TRANSIENT CEREBRAL ISCHEMIA.....	541	2.0	1.8	0.7	3.7	4.1	1.0	6.3	6.5	1.2
STROKE.....	1,190	21.2	19.6	1.6	29.6	26.1	2.2	33.8	30.6	2.1
HIP FRACTURE.....	379	4.7	6.2	1.7	10.0	11.2	2.1	13.5	14.6	2.2
SEPSIS.....	380	28.9	27.9	2.5	37.6	36.2	2.8	43.7	42.6	2.8
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	1	0.0	3.3	*	0.0	5.0	*	0.0	6.4	*
INITIAL PACEMAKER INSERTION.....	120	4.2	3.9	2.0	6.7	7.3	2.6	10.0	10.5	2.9
CAROTID ENDARTERECTOMY.....	86	1.2	1.5	1.5	2.3	3.0	2.0	5.8	4.4	3.1
HIP REPLACEMENT/RECONSTRUCTION.....	192	4.7	4.0	1.5	9.4	7.5	2.8	13.5	10.1	3.7
OPEN REDUCTION OF HIP FRACTURE.....	180	4.4	5.5	2.3	10.6	10.5	2.3	12.8	13.9	2.7
PROSTATECTOMY.....	697	2.2	1.2	0.9	3.4	2.9	0.9	4.4	4.9	1.0
CHOLECYSTECTOMY.....	504	2.8	3.2	0.9	5.6	5.7	1.4	6.5	7.5	1.7
HYSTERECTOMY.....	126	0.0	0.9	1.2	1.6	1.9	1.2	2.4	2.8	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 194,902						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	
ALL CAUSES.....	38.48	33.17	0.13	1.16	0.00		4.88	5.34	0.05	0.91	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.93	0.02	1.07	0.03						
CONGESTIVE HEART FAILURE.....	2.57	2.06	0.03	1.25	0.02						
PNEUMONIA/INFLUENZA.....	2.20	1.73	0.03	1.28	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.63	0.02	0.97	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.60	0.50	0.02	1.20	0.04						
STROKE.....	1.24	1.11	0.02	1.12	0.02						
HIP FRACTURE.....	0.48	0.60	0.02	0.80	0.02						
SEPSIS.....	0.44	0.45	0.02	0.96	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.27	0.23	0.01	1.20	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.33	0.01	1.03	0.04						
INITIAL PACEMAKER INSERTION.....	0.23	0.18	0.01	1.23	0.08						
CAROTID ENDARTERECTOMY.....	0.22	0.11	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.29	0.37	0.01	0.80	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.29	0.01	0.87	0.04						
PROSTATECTOMY.....	0.90	0.76	0.02	1.17	0.03						
CHOLECYSTECTOMY.....	0.52	0.47	0.02	1.10	0.04						
HYSTERECTOMY.....	0.13	0.16	0.01	0.83	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

BOSTON-LOWELL-BROCKTON-LAWRENCE-SALEM, MA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	107,629	8.2	9.4	0.1	13.4	14.5	0.2	17.0	18.5	0.2
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,647	26.0	26.6	0.9	30.7	30.3	1.0	33.9	33.9	0.8
CONGESTIVE HEART FAILURE.....	5,318	13.3	16.8	0.6	23.0	25.8	0.9	29.7	33.0	0.8
PNEUMONIA/INFLUENZA.....	4,642	16.1	18.2	1.0	23.3	24.7	0.9	27.8	29.6	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,197	6.4	7.8	1.2	12.8	13.9	1.6	17.5	19.2	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	1,465	1.5	1.9	0.4	3.0	4.3	0.9	5.5	6.9	1.0
STROKE.....	3,635	16.5	21.2	0.8	24.0	28.2	0.9	28.4	32.7	0.9
HIP FRACTURE.....	2,649	6.0	7.2	0.7	11.1	12.9	1.0	14.9	16.8	1.1
SEPSIS.....	948	22.4	26.4	2.2	30.6	34.4	2.5	36.2	40.4	2.4
PROCEDURES:										
ANGIOPLASTY.....	439	1.8	2.9	0.9	4.1	4.1	1.0	6.6	5.5	1.2
CORONARY ARTERY BYPASS GRAFT.....	1,073	5.2	5.9	1.3	7.9	8.9	1.6	9.7	10.9	1.5
INITIAL PACEMAKER INSERTION.....	704	2.1	4.1	1.0	5.5	7.7	1.3	9.1	11.0	1.3
CAROTID ENOARTERECTOMY.....	334	1.2	1.4	0.8	2.7	2.6	1.0	4.8	3.8	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	1,928	2.7	3.2	0.8	5.5	6.2	1.1	7.6	8.3	1.1
OPEN REDUCTION OF HIP FRACTURE.....	1,420	4.9	6.8	1.1	10.5	12.6	1.4	14.4	16.5	1.5
PROSTATECTOMY.....	2,787	0.7	1.1	0.3	2.1	2.6	0.4	3.9	4.4	0.6
CHOLECYSTECTOMY.....	1,498	2.7	3.4	0.6	4.9	6.1	0.8	6.3	8.0	1.0
HYSTERECTOMY.....	749	0.8	0.9	0.5	1.6	1.8	0.6	2.5	2.7	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 534,241					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.08	27.47	0.07	1.06	0.00	4.72	4.88	0.03	0.97	0.01
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.03	0.86	0.01	1.20	0.02					
CONGESTIVE HEART FAILURE.....	1.90	1.65	0.02	1.15	0.01					
PNEUMONIA/INFLUENZA.....	1.27	1.22	0.01	1.05	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.46	0.01	0.86	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.41	0.01	0.90	0.02					
STROKE.....	0.89	0.90	0.01	0.99	0.01					
HIP FRACTURE.....	0.63	0.68	0.01	0.92	0.01					
SEPSIS.....	0.28	0.33	0.01	0.84	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.14	0.22	0.01	0.66	0.02					
CORONARY ARTERY BYPASS GRAFT.....	0.27	0.33	0.01	0.83	0.02					
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.94	0.03					
CAROTID ENOARTERECTOMY.....	0.07	0.11	0.00	1.00	0.05					
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.45	0.01	0.84	0.02					
OPEN REDUCTION OF HIP FRACTURE.....	0.34	0.33	0.01	1.03	0.02					
PROSTATECTOMY.....	0.62	0.69	0.01	0.90	0.01					
CHOLECYSTECTOMY.....	0.34	0.41	0.01	0.84	0.02					
HYSTERECTOMY.....	0.15	0.17	0.01	0.83	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

NEW BEDFORD-FALL RIVER-ATTLEBORO, MA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,251	9.9	9.8	0.3	15.2	14.8	0.5	19.0	18.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	603	26.7	23.6	2.4	31.7	27.3	2.7	34.3	30.7	2.8
CONGESTIVE HEART FAILURE.....	816	13.5	15.6	1.9	22.5	23.9	3.3	28.7	30.7	2.7
PNEUMONIA/INFLUENZA.....	607	16.6	17.8	1.9	24.1	23.9	1.7	28.2	28.8	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	153	8.5	7.0	2.4	12.4	12.5	2.7	17.0	17.5	3.5
TRANSIENT CEREBRAL ISCHEMIA.....	205	3.4	1.9	1.7	6.3	4.3	2.8	8.8	6.8	3.2
STROKE.....	558	19.9	21.2	2.2	27.2	28.0	2.0	32.1	32.4	2.0
HIP FRACTURE.....	288	7.3	7.2	1.6	12.2	12.8	2.2	14.9	16.4	3.2
SEPSIS.....	136	17.6	26.3	5.8	28.7	33.9	6.6	34.6	39.7	5.0
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	101	3.0	4.0	2.1	7.9	7.4	2.8	11.9	10.5	3.8
CAROTID ENDOARTERECTOMY.....	40	5.0	1.4	*	7.5	2.7	*	7.5	4.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	133	4.5	3.1	2.1	6.8	6.0	2.6	8.3	8.1	2.4
OPEN REDUCTION OF HIP FRACTURE.....	139	6.5	7.2	2.3	11.5	13.2	3.4	12.9	17.1	4.3
PROSTATECTOMY.....	420	0.5	0.9	0.7	1.4	2.1	1.1	3.1	3.6	1.2
CHOLECYSTECTOMY.....	233	1.7	2.6	1.6	3.0	4.4	2.7	3.9	5.7	3.2
HYSTERECTOMY.....	89	2.2	0.5	1.3	3.4	1.0	1.7	3.4	1.4	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 83,134					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.73	29.94	0.19	0.86	0.00	4.45	4.69	0.07	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.20	0.99	0.03	1.20	0.04					
CONGESTIVE HEART FAILURE.....	1.90	1.81	0.05	1.05	0.03					
PNEUMONIA/INFLUENZA.....	1.10	1.40	0.04	0.78	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.34	0.60	0.03	0.56	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.46	0.02	0.85	0.04					
STROKE.....	0.91	0.96	0.03	0.94	0.03					
HIP FRACTURE.....	0.42	0.63	0.03	0.66	0.03					
SEPSIS.....	0.25	0.32	0.02	1.00	0.06					
PROCEDURES:										
ANGIOPLASTY.....	0.18	0.22	0.02	0.75	0.06					
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.34	0.02	0.82	0.05					
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.02	0.84	0.07					
CAROTID ENDOARTERECTOMY.....	0.09	0.13	0.01	1.00	0.10					
HIP REPLACEMENT/RECONSTRUCTION.....	0.26	0.43	0.02	1.00	0.05					
OPEN REDUCTION OF HIP FRACTURE.....	0.20	0.30	0.02	0.67	0.04					
PROSTATECTOMY.....	0.62	0.71	0.03	0.87	0.04					
CHOLECYSTECTOMY.....	0.38	0.50	0.02	0.76	0.04					
HYSTERECTOMY.....	0.17	0.18	0.01	0.93	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

PITTSFIELD, MA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,047	9.7	9.7	0.4	15.1	14.9	0.5	19.5	19.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	208	24.5	27.8	5.9	28.4	31.1	5.9	31.3	34.5	5.2
CONGESTIVE HEART FAILURE.....	264	11.7	15.6	3.0	23.1	24.2	2.9	32.6	31.2	2.9
PNEUMONIA/INFLUENZA.....	270	17.4	16.5	2.4	27.0	22.8	2.9	35.6	27.5	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	66	6.1	6.0	3.0	12.1	10.9	4.3	19.7	15.4	6.0
TRANSIENT CEREBRAL ISCHEMIA.....	52	5.8	1.8	3.3	7.7	4.0	4.4	9.6	6.5	5.1
STROKE.....	179	17.3	21.0	4.4	24.6	28.2	6.0	27.9	32.8	7.1
HIP FRACTURE.....	140	5.0	6.9	2.7	12.1	12.3	3.0	15.0	15.9	3.5
SEPSIS.....	58	22.4	27.3	7.8	27.6	35.0	9.8	32.8	41.3	12.8
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	34	14.7	5.4	*	14.7	9.0	*	23.5	12.1	*
CAROTID ENDARTERECTOMY.....	13	0.0	1.8	*	0.0	3.6	*	0.0	5.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	92	1.1	3.2	2.8	4.3	6.1	3.7	6.5	8.3	4.0
OPEN REDUCTION OF HIP FRACTURE.....	39	7.7	6.1	*	17.9	11.6	*	23.1	15.3	*
PROSTATECTOMY.....	117	3.4	1.5	2.0	6.0	3.7	2.6	7.7	6.2	2.9
CHOLECYSTECTOMY.....	79	1.3	3.0	2.5	1.3	5.1	3.5	2.5	6.6	3.9
HYSTERECTOMY.....	42	2.4	0.4	*	2.4	0.8	*	2.4	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 26,229						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.66	27.87	0.33	0.99	0.01		5.02	4.75	0.13	1.06	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.07	0.92	0.06	1.17	0.07						
CONGESTIVE HEART FAILURE.....	1.76	1.68	0.08	1.05	0.05						
PNEUMONIA/INFLUENZA.....	1.44	1.23	0.07	1.17	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.50	0.50	0.04	0.99	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.42	0.04	0.62	0.06						
STROKE.....	0.87	0.91	0.06	0.95	0.06						
HIP FRACTURE.....	0.59	0.65	0.05	0.90	0.07						
SEPSIS.....	0.34	0.32	0.03	1.05	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.12	0.24	0.03	0.50	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.21	0.35	0.04	0.59	0.06						
INITIAL PACEMAKER INSERTION.....	0.23	0.20	0.03	1.16	0.16						
CAROTID ENDARTERECTOMY.....	0.05	0.13	0.02	1.00	0.17						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.45	0.04	0.95	0.09						
OPEN REDUCTION OF HIP FRACTURE.....	0.18	0.31	0.03	0.59	0.06						
PROSTATECTOMY.....	0.49	0.74	0.05	0.66	0.05						
CHOLECYSTECTOMY.....	0.33	0.45	0.04	0.73	0.07						
HYSTERECTOMY.....	0.17	0.18	0.03	0.93	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

SPRINGFIELD, MA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	15,964	10.1	9.3	0.4	15.2	14.3	0.4	18.7	18.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	622	30.1	26.8	2.4	34.1	30.4	2.5	36.3	33.9	2.2
CONGESTIVE HEART FAILURE.....	824	15.9	15.8	1.3	24.4	24.3	1.6	30.2	31.2	2.3
PNEUMONIA/INFLUENZA.....	810	19.8	17.4	2.0	24.6	23.5	1.6	28.8	28.3	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	220	7.7	6.2	2.0	11.8	11.3	2.2	16.8	16.0	2.7
TRANSIENT CEREBRAL ISCHEMIA.....	194	0.0	1.9	1.8	4.6	4.3	1.5	7.2	6.8	2.5
STROKE.....	549	22.4	20.9	2.8	31.7	27.6	3.0	35.9	32.1	3.5
HIP FRACTURE.....	431	5.1	7.2	2.3	10.4	13.0	3.2	14.2	16.8	3.6
SEPSIS.....	137	18.2	24.5	6.1	24.8	32.3	7.2	30.7	38.2	7.4
PROCEDURES:										
ANGIOPLASTY.....	82	2.4	2.3	2.0	4.9	3.2	2.4	7.3	4.3	3.4
CORONARY ARTERY BYPASS GRAFT.....	132	13.6	5.7	3.7	14.4	8.1	3.3	15.2	9.7	3.3
INITIAL PACEMAKER INSERTION.....	103	2.9	3.2	1.8	5.8	5.8	2.3	8.7	8.2	2.8
CAROTID ENDARTERECTOMY.....	43	2.3	1.4	*	2.3	2.5	*	2.3	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	262	3.1	3.6	1.3	6.1	6.8	1.8	8.8	9.2	1.9
OPEN REDUCTION OF HIP FRACTURE.....	232	4.7	6.3	2.4	9.9	11.8	3.2	13.8	15.5	4.0
PROSTATECTOMY.....	410	0.7	1.1	0.7	3.2	2.5	0.9	4.6	4.2	1.2
CHOLECYSTECTOMY.....	314	3.2	3.1	1.2	5.1	5.5	1.3	6.7	7.2	1.5
HYSTERECTOMY.....	122	1.6	1.4	1.2	3.3	2.8	1.7	4.9	4.0	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 93,377									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.06	28.81	0.18	0.87	0.00	4.72	4.77	0.07	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.93	0.93	0.03	**	**					
CONGESTIVE HEART FAILURE.....	1.62	1.75	0.04	0.92	0.02					
PNEUMONIA/INFLUENZA.....	1.23	1.31	0.04	0.94	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.53	0.02	0.82	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.43	0.02	0.65	0.03					
STROKE.....	0.75	0.94	0.03	0.80	0.03					
HIP FRACTURE.....	0.58	0.64	0.03	0.90	0.04					
SEPSIS.....	0.21	0.33	0.02	0.62	0.04					
PROCEDURES:										
ANGIOPLASTY.....	0.17	0.23	0.02	0.74	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.25	0.34	0.02	0.72	0.04					
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.01	0.79	0.06					
CAROTID ENDARTERECTOMY.....	0.07	0.12	0.01	1.00	0.10					
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.44	0.02	0.80	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.31	0.02	0.98	0.06					
PROSTATECTOMY.....	0.54	0.73	0.03	0.75	0.03					
CHOLECYSTECTOMY.....	0.41	0.46	0.02	0.90	0.04					
HYSTERECTOMY.....	0.15	0.18	0.01	0.82	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

WORCESTER-FITCHBURG-LEOMINSTER, MA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	17,636	9.5	9.6	0.2	15.0	14.7	0.3	19.0	18.7	0.3
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	656	28.7	27.1	2.0	34.0	30.8	2.4	38.0	34.2	2.7
CONGESTIVE HEART FAILURE.....	910	14.7	15.9	1.7	24.6	24.5	1.7	31.0	31.5	2.0
PNEUMONIA/INFLUENZA.....	876	15.3	17.7	1.9	23.1	24.0	1.8	27.2	28.9	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	172	8.7	7.1	2.5	15.1	12.9	3.3	19.8	17.8	4.7
TRANSIENT CEREBRAL ISCHEMIA.....	252	2.4	1.8	1.0	4.8	4.1	1.4	5.6	6.6	1.7
STROKE.....	527	20.7	20.4	1.9	28.5	27.1	2.8	32.6	31.6	2.9
HIP FRACTURE.....	455	6.4	6.3	1.1	10.8	11.4	1.6	12.7	14.9	2.4
SEPSIS.....	170	29.4	26.1	4.1	36.5	34.7	3.9	42.9	41.0	4.2
PROCEDURE:										
ANGIOPLASTY.....	50	4.0	2.3	*	6.0	3.3	*	6.0	4.5	*
CORONARY ARTERY BYPASS GRAFT.....	163	6.7	5.8	2.0	9.8	8.5	2.5	9.8	10.2	2.8
INITIAL PACEMAKER INSERTION.....	139	0.7	3.1	2.3	2.9	5.8	3.2	5.8	8.4	3.4
CAROTID ENOARTERECTOMY.....	63	4.8	1.4	3.2	4.8	2.5	3.5	6.3	3.7	4.4
HIP REPLACEMENT/RECONSTRUCTION.....	329	3.3	3.4	1.0	5.8	6.3	1.5	7.0	8.5	2.3
OPEN REDUCTION OF HIP FRACTURE.....	167	4.8	5.9	2.3	8.4	11.0	4.1	10.2	14.5	5.6
PROSTATECTOMY.....	502	1.2	1.0	0.7	3.8	2.4	1.2	5.8	4.0	1.7
CHOLECYSTECTOMY.....	238	2.1	3.1	1.3	4.2	5.5	1.7	7.1	7.0	2.0
HYSTERECTOMY.....	121	1.7	1.0	1.1	1.7	2.2	1.5	3.3	3.3	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANOARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 107,373					MORTALITY				
	ADMISSION									
	OBS,%	PREO,%	SD,%	REL	SE	OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	27.15	28.35	0.16	0.96	0.00	4.74	4.74	0.07	**	**
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.00	0.93	0.03	1.06	0.03					
CONGESTIVE HEART FAILURE.....	1.74	1.70	0.04	1.02	0.02					
PNEUMONIA/INFLUENZA.....	1.34	1.30	0.03	1.04	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.31	0.52	0.02	0.58	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.42	0.02	0.86	0.04					
STROKE.....	0.73	0.92	0.03	0.80	0.03					
HIP FRACTURE.....	0.58	0.65	0.02	0.89	0.03					
SEPSIS.....	0.29	0.32	0.02	0.96	0.05					
PROCEDURE:										
ANGIOPLASTY.....	0.10	0.23	0.01	0.43	0.03					
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.35	0.02	0.86	0.05					
INITIAL PACEMAKER INSERTION.....	0.22	0.20	0.01	1.05	0.08					
CAROTID ENDARTERECTOMY.....	0.09	0.12	0.01	1.00	0.10					
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.45	0.02	0.85	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.31	0.02	0.78	0.04					
PROSTATECTOMY.....	0.62	0.74	0.03	0.84	0.03					
CHOLECYSTECTOMY.....	0.31	0.46	0.02	0.68	0.03					
HYSTERECTOMY.....	0.15	0.18	0.01	0.78	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

MA-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,200	9.7	9.6	0.4	14.9	14.5	0.5	18.1	18.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	307	27.0	25.7	2.8	30.9	29.1	3.1	32.2	32.5	2.7
CONGESTIVE HEART FAILURE.....	463	14.0	16.2	3.4	23.1	24.8	3.6	29.8	31.7	4.1
PNEUMONIA/INFLUENZA.....	296	11.1	16.6	4.1	19.9	22.5	4.6	24.0	27.2	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	80	10.0	8.4	4.6	12.5	14.9	5.4	15.0	20.6	7.5
TRANSIENT CEREBRAL ISCHEMIA.....	84	0.0	2.1	2.6	2.4	4.7	3.3	6.0	7.7	3.4
STROKE.....	341	19.1	22.1	3.7	26.4	28.8	3.5	31.1	33.3	3.4
HIP FRACTURE.....	249	4.4	6.1	2.2	8.4	11.2	2.9	13.3	14.6	2.4
SEPSIS.....	60	28.3	25.8	6.1	40.0	32.8	7.0	50.0	39.0	8.9
PROCEDURES:										
ANGIOPLASTY.....	1	0.0	2.1	*	0.0	4.3	*	100.0	6.6	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	56	8.9	4.6	4.8	10.7	8.9	4.2	12.5	12.7	4.6
CAROTID ENDARTERECTOMY.....	2	0.0	2.2	*	0.0	4.4	*	0.0	6.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	137	2.2	4.0	2.7	6.6	7.8	3.7	9.5	10.7	3.4
OPEN REDUCTION OF HIP FRACTURE.....	141	4.3	5.7	3.4	7.1	10.9	4.6	11.3	14.5	3.9
PROSTATECTOMY.....	290	0.0	0.9	0.9	1.0	2.1	1.1	1.7	3.5	1.5
CHOLECYSTECTOMY.....	120	2.5	3.7	1.8	7.5	6.8	2.3	11.7	8.9	3.5
HYSTERECTOMY.....	72	0.0	0.7	*	0.0	1.5	*	0.0	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 61,059					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.19	26.73	0.21	0.87	0.01	4.33	4.56	0.09	0.95	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.90	0.04	0.94	0.04					
CONGESTIVE HEART FAILURE.....	1.38	1.57	0.05	0.88	0.03					
PNEUMONIA/INFLUENZA.....	0.81	1.16	0.04	0.68	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.23	0.44	0.03	0.53	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.39	0.03	0.64	0.04					
STROKE.....	0.78	0.88	0.04	0.89	0.04					
HIP FRACTURE.....	0.56	0.61	0.03	0.90	0.05					
SEPSIS.....	0.16	0.30	0.02	0.68	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.12	0.24	0.02	0.51	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.38	0.02	0.89	0.06					
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.02	0.72	0.08					
CAROTID ENDARTERECTOMY.....	0.05	0.12	0.01	1.00	0.15					
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.46	0.03	0.96	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.29	0.02	1.08	0.09					
PROSTATECTOMY.....	0.72	0.83	0.04	0.87	0.04					
CHOLECYSTECTOMY.....	0.31	0.44	0.03	0.73	0.05					
HYSTERECTOMY.....	0.18	0.17	0.02	1.13	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

BALTIMORE, MD
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	62,812	8.8	8.4	0.3	13.9	13.3	0.4	17.7	17.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,044	23.6	23.9	1.3	27.8	27.4	1.4	31.0	31.0	1.1
CONGESTIVE HEART FAILURE.....	3,208	14.5	13.5	0.8	23.3	21.7	1.1	31.0	28.6	1.4
PNEUMONIA/INFLUENZA.....	2,209	17.2	14.4	1.1	24.2	20.2	1.3	28.3	24.8	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	906	9.1	7.8	1.4	15.7	13.7	2.0	20.4	18.9	2.2
TRANSIENT CEREBRAL ISCHEMIA.....	957	1.6	1.7	0.4	3.1	3.7	0.7	4.8	5.9	1.2
STROKE.....	2,226	17.7	18.3	0.9	24.6	24.7	0.9	29.9	29.1	1.2
HIP FRACTURE.....	1,158	7.6	5.1	0.9	13.0	9.6	1.3	16.5	12.8	1.5
SEPSIS.....	728	28.6	26.5	2.9	39.3	35.3	2.6	46.0	42.1	2.7
PROCEDURES:										
ANGIOPLASTY.....	168	2.4	2.7	1.6	4.8	3.9	1.9	5.4	5.2	2.8
CORONARY ARTERY BYPASS GRAFT.....	399	5.5	6.3	2.5	7.0	9.3	2.5	9.0	11.1	2.4
INITIAL PACEMAKER INSERTION.....	304	3.3	3.5	1.1	6.9	6.9	1.5	9.9	10.1	1.8
CAROTID ENDARTERECTOMY.....	218	2.3	1.6	1.0	3.2	3.2	1.2	4.6	4.8	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	857	3.7	2.7	0.7	6.7	5.4	1.3	9.2	7.5	1.3
OPEN REDUCTION OF HIP FRACTURE.....	574	6.8	4.5	1.6	11.1	8.8	2.1	14.1	12.0	2.3
PROSTATECTOMY.....	2,052	0.9	1.2	0.4	2.5	2.8	0.6	4.2	4.7	0.9
CHOLECYSTECTOMY.....	903	3.0	3.2	0.7	6.4	6.0	1.1	7.6	8.0	1.1
HYSTERECTOMY.....	403	0.7	1.2	0.6	1.2	2.5	1.1	1.7	3.7	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 308,811					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.40	28.10	0.09	1.19	0.00	4.92	4.60	0.04	1.07	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.07	0.82	0.02	1.31	0.03					
CONGESTIVE HEART FAILURE.....	2.11	1.76	0.02	1.20	0.02					
PNEUMONIA/INFLUENZA.....	1.16	1.05	0.02	1.10	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.58	0.46	0.01	1.25	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.40	0.01	1.11	0.03					
STROKE.....	1.07	0.98	0.02	1.09	0.02					
HIP FRACTURE.....	0.54	0.53	0.01	1.02	0.02					
SEPSIS.....	0.44	0.37	0.01	1.17	0.03					
PROCEDURES:										
ANGIOPLASTY.....	0.20	0.23	0.01	0.86	0.03					
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.33	0.01	1.05	0.03					
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.01	0.78	0.03					
CAROTID ENDARTERECTOMY.....	0.12	0.11	0.01	1.00	0.06					
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.37	0.01	0.98	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.26	0.01	1.04	0.04					
PROSTATECTOMY.....	0.88	0.73	0.01	1.20	0.02					
CHOLECYSTECTOMY.....	0.40	0.40	0.01	1.01	0.03					
HYSTERECTOMY.....	0.15	0.16	0.01	0.97	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

CUMBERLAND, MD-W VA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,716	9.4	8.6	0.5	13.7	13.5	0.5	17.0	17.3	0.5
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	173	32.9	26.6	4.2	37.0	30.2	4.7	38.2	34.0	4.0
CONGESTIVE HEART FAILURE.....	335	17.6	14.5	3.6	28.7	23.0	4.6	34.0	30.1	4.1
PNEUMONIA/INFLUENZA.....	279	15.4	15.2	2.2	21.1	21.1	3.5	25.8	26.0	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	81	8.6	7.6	4.8	19.8	13.6	7.6	24.7	18.8	8.8
TRANSIENT CEREBRAL ISCHEMIA.....	88	0.0	1.3	1.5	0.0	2.8	2.6	1.1	4.5	3.0
STROKE.....	208	20.2	18.2	3.8	26.4	25.0	3.3	31.7	29.7	3.5
HIP FRACTURE.....	95	6.3	5.4	2.6	9.5	10.0	3.1	10.5	13.3	4.2
SEPSIS.....	63	30.2	24.6	7.1	38.1	32.8	8.0	38.1	39.1	6.9
PROCEURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	46	0.0	3.2	*	4.3	6.1	*	6.5	8.8	*
CAROTID ENDARTERECTOMY.....	11	0.0	1.7	*	0.0	3.5	*	0.0	5.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	90	3.3	2.9	2.4	6.7	5.5	2.6	6.7	7.4	3.0
OPEN REDUCTION OF HIP FRACTURE.....	43	7.0	5.0	*	9.3	9.7	*	11.6	13.1	*
PROSTATECTOMY.....	108	0.0	1.6	1.4	0.9	4.0	2.3	1.9	6.7	3.2
CHOLECYSTECTOMY.....	116	2.6	3.0	1.7	2.6	5.4	2.9	3.4	7.2	3.7
HYSTERECTOMY.....	33	0.0	1.0	*	0.0	2.1	*	3.0	3.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 20,425					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	43.95	30.21	0.38	1.45	0.02	5.09	4.58	0.15	1.11	0.04
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.39	1.04	0.07	1.33	0.09					
CONGESTIVE HEART FAILURE.....	3.06	1.84	0.10	1.65	0.09					
PNEUMONIA/INFLUENZA.....	2.07	1.38	0.08	1.50	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.85	0.61	0.06	1.34	0.13					
TRANSIENT CEREBRAL ISCHEMIA.....	0.65	0.48	0.05	1.29	0.14					
STROKE.....	1.29	0.98	0.07	1.33	0.10					
HIP FRACTURE.....	0.58	0.60	0.05	0.99	0.09					
SEPSIS.....	0.47	0.32	0.04	1.56	0.21					
PROCEURES:										
ANGIOPLASTY.....	0.22	0.23	0.03	0.94	0.15					
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.37	0.04	1.21	0.15					
INITIAL PACEMAKER INSERTION.....	0.31	0.20	0.03	1.52	0.26					
CAROTID ENOARTERECTOMY.....	0.04	0.13	0.03	1.00	0.22					
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.43	0.05	1.10	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.29	0.04	0.89	0.13					
PROSTATECTOMY.....	0.63	0.77	0.06	0.78	0.06					
CHOLECYSTECTOMY.....	0.63	0.53	0.05	1.20	0.12					
HYSTERECTOMY.....	0.16	0.18	0.03	0.90	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

HAGERSTOWN, MD
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,301	8.8	8.7	0.5	13.9	13.4	0.7	17.4	17.2	0.7
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	148	20.3	21.5	4.5	22.3	25.0	4.3	28.4	28.5	3.7
CONGESTIVE HEART FAILURE.....	187	14.4	13.8	2.6	23.0	21.7	3.5	28.3	28.4	3.4
PNEUMONIA/INFLUENZA.....	181	13.3	13.7	2.6	16.6	19.0	3.4	21.5	23.5	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	96	7.3	5.7	2.8	17.7	10.1	5.4	19.8	14.1	5.2
TRANSIENT CEREBRAL ISCHEMIA.....	67	3.0	1.6	3.7	6.0	3.5	4.1	7.5	5.5	3.8
STROKE.....	144	18.8	17.5	3.5	25.0	23.8	4.2	25.7	28.0	5.5
HIP FRACTURE.....	94	3.2	4.8	2.6	11.7	9.0	3.7	13.8	12.1	4.6
SEPSIS.....	16	37.5	23.4	*	43.8	30.5	*	50.0	36.2	*
PROCEDURE:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	23	0.0	5.7	*	0.0	9.5	*	0.0	12.4	*
CAROTID ENOARTERECTOMY.....	65	0.0	1.7	2.2	1.5	3.3	2.7	3.1	5.1	3.6
HIP REPLACEMENT/RECONSTRUCTION.....	57	1.8	3.5	4.0	7.0	7.0	6.4	7.0	9.7	5.2
OPEN REDUCTION OF HIP FRACTURE.....	19	0.0	4.2	*	5.3	8.1	*	5.3	10.9	*
PROSTATECTOMY.....	140	0.0	0.9	1.0	1.4	2.2	1.5	1.4	3.8	2.1
CHOLECYSTECTOMY.....	71	0.0	2.8	3.4	0.0	4.9	5.4	2.8	6.4	4.5
HYSTERECTOMY.....	22	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 18,051						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.67	28.41	0.40	0.94	0.01		4.66	4.53	0.16	1.03	0.04
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.27	0.94	0.07	1.33	0.10						
CONGESTIVE HEART FAILURE.....	1.83	1.69	0.10	1.10	0.06						
PNEUMONIA/INFLUENZA.....	1.47	1.24	0.08	1.18	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.99	0.54	0.06	1.79	0.19						
TRANSIENT CEREBRAL ISCHEMIA.....	0.47	0.43	0.05	1.06	0.13						
STROKE.....	0.93	0.92	0.07	1.02	0.08						
HIP FRACTURE.....	0.65	0.59	0.06	1.10	0.11						
SEPSIS.....	0.11	0.31	0.04	0.40	0.06						
PROCEDURE:											
ANGIOPLASTY.....	0.13	0.23	0.04	0.65	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.36	0.04	0.83	0.11						
INITIAL PACEMAKER INSERTION.....	0.17	0.20	0.03	0.91	0.17						
CAROTID ENOARTERECTOMY.....	0.33	0.13	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.42	0.05	0.86	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.14	0.28	0.04	0.43	0.06						
PROSTATECTOMY.....	0.84	0.75	0.06	1.09	0.10						
CHOLECYSTECTOMY.....	0.45	0.48	0.05	0.95	0.11						
HYSTERECTOMY.....	0.16	0.18	0.03	0.94	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

MO-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	13,310	9.2	8.7	0.4	14.3	13.5	0.6	17.9	17.3	0.5
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	510	25.9	23.1	2.4	29.4	26.4	2.3	31.0	30.0	2.1
CONGESTIVE HEART FAILURE.....	777	15.1	13.5	2.2	24.7	21.5	3.0	31.0	28.3	3.3
PNEUMONIA/INFLUENZA.....	580	16.0	14.3	2.3	23.1	19.8	2.5	27.1	24.3	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	274	6.6	7.5	2.3	15.0	13.2	2.5	18.6	18.2	2.4
TRANSIENT CEREBRAL ISCHEMIA.....	266	1.1	1.8	1.0	3.0	3.9	1.4	6.8	6.1	1.6
STROKE.....	505	17.2	17.2	1.9	24.4	23.5	1.9	30.1	27.8	2.3
HIP FRACTURE.....	318	7.2	5.0	2.4	11.9	9.4	3.5	16.0	12.7	3.8
SEPSIS.....	138	29.0	27.5	4.1	34.8	35.1	4.1	37.7	41.4	5.2
PROCEQURES:										
ANGIOPLASTY.....	96	3.1	3.5	2.0	3.1	4.9	2.7	4.2	6.5	3.2
CORONARY ARTERY BYPASS GRAFT.....	97	4.1	7.5	3.9	8.2	10.8	4.8	8.2	12.9	4.6
INITIAL PACEMAKER INSERTION.....	50	6.0	3.4	*	6.0	6.3	*	8.0	9.0	*
CAROTID ENOARTERECTOMY.....	97	0.0	1.7	2.2	1.0	3.4	3.2	2.1	5.0	3.7
HIP REPLACEMENT/RECONSTRUCTION.....	181	2.8	2.7	1.3	5.5	5.4	2.2	7.2	7.6	3.0
OPEN REDUCTION OF HIP FRACTURE.....	185	6.5	4.6	2.2	11.4	9.1	3.7	15.7	12.4	4.7
PROSTATECTOMY.....	391	1.0	1.6	1.0	2.6	3.6	1.3	5.6	5.9	1.4
CHOLECYSTECTOMY.....	239	2.1	3.4	1.7	3.8	6.1	2.1	5.9	8.0	2.2
HYSTERECTOMY.....	79	1.3	1.2	1.3	5.1	2.5	3.0	5.1	3.7	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANOARD OEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 52,684						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	30.66	29.92	0.24	1.02	0.01		4.97	4.76	0.09	1.04	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.07	0.91	0.04	1.19	0.06						
CONGESTIVE HEART FAILURE.....	1.92	1.82	0.06	1.06	0.03						
PNEUMONIA/INFLUENZA.....	1.16	1.29	0.05	0.91	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.85	0.50	0.03	1.62	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.53	0.44	0.03	1.00	0.07						
STROKE.....	0.97	1.03	0.04	0.96	0.04						
HIP FRACTURE.....	0.49	0.57	0.03	0.86	0.05						
SEPSIS.....	0.28	0.37	0.03	0.72	0.06						
PROCEQURES:											
ANGIOPLASTY.....	0.32	0.23	0.02	1.31	0.14						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.36	0.03	1.03	0.08						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.02	0.86	0.11						
CAROTID ENOARTERECTOMY.....	0.19	0.12	0.02	1.00	0.16						
HIP REPLACEMENT/RECONSTRUCTION.....	0.32	0.39	0.03	0.82	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.28	0.02	1.02	0.10						
PROSTATECTOMY.....	0.70	0.80	0.04	0.87	0.04						
CHOLECYSTECTOMY.....	0.45	0.46	0.03	1.07	0.08						
HYSTERECTOMY.....	0.17	0.16	0.02	1.16	0.16						

** QUANTITIES COULD NOT BE ESTIMATED

BANGOR, ME
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,231	8.3	8.5	0.5	12.7	13.1	0.6	16.0	16.8	0.7
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	163	18.4	26.1	7.0	22.1	29.1	6.5	25.8	32.3	5.3
CONGESTIVE HEART FAILURE.....	186	11.3	14.0	4.3	17.2	22.0	5.3	26.3	28.6	4.7
PNEUMONIA/INFLUENZA.....	166	12.7	15.4	3.0	17.5	21.1	3.7	21.1	25.6	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	68	2.9	8.5	6.0	10.3	14.4	5.5	17.6	19.5	5.1
TRANSIENT CEREBRAL ISCHEMIA.....	45	2.2	1.9	*	2.2	4.4	*	11.1	7.0	*
STROKE.....	138	25.4	20.3	5.3	31.2	26.4	5.1	32.6	30.8	4.2
HIP FRACTURE.....	107	5.6	5.5	2.3	9.3	10.0	3.1	11.2	13.2	4.5
SEPSIS.....	22	31.8	26.4	*	36.4	35.7	*	36.4	42.4	*
PROCEDURES:										
ANGIOPLASTY.....	31	0.0	3.5	*	0.0	4.7	*	0.0	6.0	*
CORONARY ARTERY BYPASS GRAFT.....	78	3.8	4.1	2.5	9.0	6.4	3.7	9.0	7.8	4.0
INITIAL PACEMAKER INSERTION.....	36	2.8	3.7	*	2.8	7.5	*	5.6	10.9	*
CAROTID ENOARTERECTOMY.....	22	0.0	1.7	*	0.0	3.4	*	4.5	5.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	85	5.9	3.0	3.1	7.1	6.2	3.1	7.1	8.7	3.3
OPEN REDUCTION OF HIP FRACTURE.....	55	3.6	5.1	3.3	9.1	9.6	4.1	12.7	12.7	4.5
PROSTATECTOMY.....	131	0.8	1.1	1.0	1.5	2.4	1.6	2.3	3.9	2.1
CHOLECYSTECTOMY.....	77	0.0	3.5	*	0.0	5.8	*	0.0	7.2	*
HYSTERECTOMY.....	30	0.0	0.9	*	6.7	2.0	*	6.7	2.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 20,260					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.93	29.60	0.38	0.88	0.01	4.57	4.74	0.15	0.96	0.03
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.11	0.97	0.07	1.17	0.09					
CONGESTIVE HEART FAILURE.....	1.57	1.74	0.09	0.88	0.05					
PNEUMONIA/INFLUENZA.....	1.23	1.48	0.09	0.80	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.63	0.60	0.06	1.02	0.10					
TRANSIENT CEREBRAL ISCHEMIA.....	0.30	0.44	0.05	0.61	0.07					
STROKE.....	0.78	0.91	0.07	0.83	0.06					
HIP FRACTURE.....	0.54	0.62	0.06	0.95	0.09					
SEPSIS.....	0.18	0.31	0.04	0.48	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.16	0.23	0.04	0.76	0.13					
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.35	0.04	0.99	0.13					
INITIAL PACEMAKER INSERTION.....	0.11	0.18	0.03	0.61	0.12					
CAROTID ENOARTERECTOMY.....	0.12	0.12	0.03	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.43	0.05	0.93	0.11					
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.29	0.04	0.94	0.14					
PROSTATECTOMY.....	0.58	0.74	0.06	0.76	0.07					
CHOLECYSTECTOMY.....	0.44	0.50	0.05	0.91	0.10					
HYSTERECTOMY.....	0.16	0.18	0.03	0.77	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

LEWISTON-AUBURN, ME
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,170	8.8	8.8	0.5	13.3	13.6	0.7	16.9	17.4	0.9
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	89	32.6	30.7	5.0	38.2	34.1	5.5	43.8	37.6	6.5
CONGESTIVE HEART FAILURE.....	147	22.4	15.6	4.8	31.3	24.2	5.0	39.5	31.2	5.5
PNEUMONIA/INFLUENZA.....	126	12.7	15.8	5.2	15.9	21.4	7.2	22.2	25.9	7.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	50	4.0	7.6	*	6.0	12.3	*	10.0	16.6	*
TRANSIENT CEREBRAL ISCHEMIA.....	40	2.5	2.2	*	5.0	4.9	*	5.0	7.8	*
STROKE.....	115	16.5	19.3	6.3	23.5	25.4	6.5	26.1	29.6	8.3
HIP FRACTURE.....	85	8.2	7.9	3.1	10.6	13.9	4.7	12.9	17.8	6.3
SEPSIS.....	27	18.5	24.4	*	29.6	32.6	*	33.3	39.1	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	24	0.0	4.0	*	0.0	6.8	*	8.3	9.6	*
CAROTID ENDARTERECTOMY.....	14	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	64	4.7	4.2	2.9	4.7	7.9	4.8	6.3	10.7	6.4
OPEN REDUCTION OF HIP FRACTURE.....	45	8.9	7.0	*	13.3	12.6	*	15.6	16.2	*
PROSTATECTOMY.....	99	2.0	0.9	1.3	2.0	2.3	1.5	3.0	3.9	2.2
CHOLECYSTECTOMY.....	76	2.6	2.5	1.8	6.6	4.3	2.9	7.9	5.6	3.2
HYSTERECTOMY.....	34	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,662									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.25	29.30	0.42	0.93	0.01	4.90	4.70	0.17	1.05	0.04
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.95	0.97	0.08	1.01	0.08					
CONGESTIVE HEART FAILURE.....	1.48	1.77	0.10	0.83	0.05					
PNEUMONIA/INFLUENZA.....	1.03	1.45	0.09	0.69	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.55	0.59	0.06	0.99	0.10					
TRANSIENT CEREBRAL ISCHEMIA.....	0.38	0.45	0.05	0.87	0.11					
STROKE.....	0.83	0.93	0.07	0.90	0.07					
HIP FRACTURE.....	0.55	0.63	0.06	0.89	0.09					
SEPSIS.....	0.25	0.31	0.04	0.69	0.10					
PROCEDURES:										
ANGIOPLASTY.....	0.33	0.21	0.04	1.71	0.32					
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.33	0.04	1.28	0.19					
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.03	1.03	0.20					
CAROTID ENDARTERECTOMY.....	0.11	0.12	0.03	1.00	0.25					
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.43	0.05	0.89	0.11					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.30	0.04	0.99	0.15					
PROSTATECTOMY.....	0.68	0.69	0.06	0.99	0.10					
CHOLECYSTECTOMY.....	0.52	0.49	0.05	1.04	0.12					
HYSTERECTOMY.....	0.22	0.18	0.03	1.24	0.25					

** QUANTITIES COULD NOT BE ESTIMATED

PORTLAND, ME
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,155	8.4	8.9	0.4	13.2	13.5	0.6	16.5	17.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	488	21.3	28.4	3.0	26.2	31.7	3.0	28.9	35.2	2.9
CONGESTIVE HEART FAILURE.....	544	17.8	15.8	2.4	27.8	24.4	3.6	34.6	31.4	3.4
PNEUMONIA/INFLUENZA.....	443	9.3	15.4	2.4	15.6	21.0	2.5	19.9	25.4	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	239	5.9	7.1	2.0	11.3	12.5	2.8	14.2	17.2	4.2
TRANSIENT CEREBRAL ISCHEMIA.....	132	2.3	1.7	2.2	5.3	3.8	2.1	6.8	6.0	2.3
STROKE.....	421	16.6	20.6	4.0	26.1	27.4	3.7	29.7	31.9	3.1
HIP FRACTURE.....	312	6.7	6.1	1.6	11.5	11.0	2.5	17.3	14.4	3.5
SEPSIS.....	96	24.0	29.4	6.2	33.3	37.8	7.6	36.5	44.5	8.7
PROCEDURES:										
ANGIOPLASTY.....	120	0.8	3.2	2.1	4.2	4.3	2.7	4.2	5.6	2.2
CORONARY ARTERY BYPASS GRAFT.....	217	4.1	4.8	2.2	6.5	7.6	2.1	8.3	9.6	2.3
INITIAL PACEMAKER INSERTION.....	77	1.3	4.3	4.2	5.2	7.3	5.1	6.5	9.8	4.7
CAROTID ENDOARTERECTOMY.....	35	0.0	1.5	*	0.0	3.0	*	0.0	4.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	214	1.9	2.8	1.4	6.1	5.5	1.6	8.4	7.6	2.4
OPEN REDUCTION OF HIP FRACTURE.....	167	7.8	5.7	2.8	11.4	10.7	2.7	16.8	14.1	4.4
PROSTATECTOMY.....	306	0.7	0.9	0.7	2.3	2.3	1.3	3.6	3.9	1.6
CHOLECYSTECTOMY.....	167	2.4	2.0	1.2	2.4	3.5	1.7	4.2	4.6	1.7
HYSTERECTOMY.....	105	0.0	0.5	0.8	1.0	1.2	1.2	1.0	1.9	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 63,619					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.91	28.34	0.21	0.95	0.01	4.57	4.71	0.09	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.06	0.94	0.04	1.13	0.05					
CONGESTIVE HEART FAILURE.....	1.51	1.69	0.05	0.90	0.03					
PNEUMONIA/INFLUENZA.....	1.01	1.31	0.05	0.77	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.61	0.52	0.03	1.18	0.07					
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.42	0.03	0.59	0.04					
STROKE.....	0.82	0.91	0.04	0.88	0.04					
HIP FRACTURE.....	0.60	0.64	0.03	0.94	0.05					
SEPSIS.....	0.23	0.31	0.02	0.75	0.06					
PROCEDURES:										
ANGIOPLASTY.....	0.21	0.22	0.02	0.95	0.09					
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.35	0.02	0.84	0.06					
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.02	0.67	0.07					
CAROTID ENDOARTERECTOMY.....	0.07	0.12	0.01	1.00	0.14					
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.45	0.03	0.93	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.30	0.02	1.02	0.08					
PROSTATECTOMY.....	0.61	0.75	0.03	0.81	0.04					
CHOLECYSTECTOMY.....	0.34	0.47	0.03	0.74	0.05					
HYSTERECTOMY.....	0.18	0.18	0.02	1.07	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

ME-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	14,234	9.4	9.2	0.3	14.0	13.8	0.4	17.4	17.4	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	653	24.8	27.3	2.7	28.0	30.7	3.1	30.6	34.1	3.4
CONGESTIVE HEART FAILURE.....	783	16.3	15.3	1.4	24.3	23.5	1.6	29.5	30.3	1.8
PNEUMONIA/INFLUENZA.....	776	12.2	15.3	2.2	19.3	21.1	1.9	23.8	25.6	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	315	7.3	8.4	3.0	12.1	14.3	3.6	17.8	19.4	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	136	0.7	1.9	1.8	3.7	4.3	2.3	8.1	6.9	2.7
STROKE.....	454	21.6	20.9	2.5	29.1	27.3	2.9	32.8	31.8	2.8
HIP FRACTURE.....	404	5.9	6.6	1.3	9.7	11.9	2.2	13.1	15.5	2.3
SEPSIS.....	149	25.5	27.3	4.2	29.5	34.9	5.0	32.2	41.1	5.7
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	64	10.9	4.5	4.9	15.6	8.0	6.1	18.8	11.1	6.9
CAROTID ENDOARTERECTOMY.....	45	2.2	1.2	*	2.2	2.1	*	4.4	3.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	256	2.3	3.5	1.7	5.9	6.5	1.7	9.8	8.7	2.3
OPEN REDUCTION OF HIP FRACTURE.....	177	5.1	5.8	2.2	8.5	10.8	3.8	10.7	14.3	4.9
PROSTATECTOMY.....	401	1.0	1.1	0.6	2.0	2.4	0.9	3.2	4.0	1.1
CHOLECYSTECTOMY.....	258	3.5	2.5	1.2	7.0	4.6	2.0	9.7	6.1	2.6
HYSTERECTOMY.....	93	2.2	0.7	1.2	2.2	1.6	1.6	2.2	2.5	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 88,875						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.02	29.81	0.18	0.94	0.01		4.79	4.73	0.07	1.02	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.17	1.01	0.03	1.14	0.04						
CONGESTIVE HEART FAILURE.....	1.75	1.77	0.04	1.00	0.03						
PNEUMONIA/INFLUENZA.....	1.31	1.53	0.04	0.85	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.64	0.61	0.03	1.05	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.45	0.02	0.58	0.03						
STROKE.....	0.74	0.94	0.03	0.78	0.03						
HIP FRACTURE.....	0.62	0.63	0.03	0.99	0.04						
SEPSIS.....	0.27	0.31	0.02	0.84	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.13	0.24	0.02	0.54	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.36	0.02	0.78	0.05						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.01	0.89	0.08						
CAROTID ENDOARTERECTOMY.....	0.08	0.13	0.01	1.00	0.11						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.45	0.02	0.92	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.02	0.93	0.06						
PROSTATECTOMY.....	0.70	0.80	0.03	0.88	0.03						
CHOLECYSTECTOMY.....	0.39	0.52	0.02	0.75	0.04						
HYSTERECTOMY.....	0.15	0.18	0.01	0.93	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

ANN ARBOR, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,664	7.9	8.4	0.4	12.4	13.0	0.5	15.8	16.7	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	297	19.2	25.4	4.1	23.2	29.0	4.3	25.6	32.4	4.3
CONGESTIVE HEART FAILURE.....	404	14.6	15.1	1.8	23.5	23.3	2.3	30.2	30.2	2.3
PNEUMONIA/INFLUENZA.....	256	14.1	15.5	2.4	18.8	21.5	3.5	21.1	26.0	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	87	5.7	9.3	3.5	13.8	15.6	4.0	24.1	21.0	4.6
TRANSIENT CEREBRAL ISCHEMIA.....	107	0.0	1.7	1.6	0.0	3.6	2.9	4.7	5.7	2.8
STROKE.....	269	14.9	18.2	3.2	20.1	24.9	4.1	23.4	29.2	4.9
HIP FRACTURE.....	159	3.1	7.0	3.0	8.2	12.3	3.6	12.6	15.8	3.4
SEPSIS.....	110	31.8	25.2	6.3	39.1	34.5	5.6	41.8	41.0	5.3
PROCEDURES:										
ANGIOPLASTY.....	190	4.2	3.8	1.6	5.3	5.1	1.7	6.3	6.4	1.8
CORONARY ARTERY BYPASS GRAFT.....	308	7.5	4.9	2.3	9.4	7.0	2.3	9.7	8.5	1.9
INITIAL PACEMAKER INSERTION.....	77	7.8	3.7	4.2	16.9	6.8	4.7	18.2	9.6	5.0
CAROTID ENDARTERECTOMY.....	48	0.0	1.4	*	4.2	2.4	*	6.3	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	212	1.4	2.3	1.2	4.2	4.4	1.7	6.1	6.0	1.7
OPEN REDUCTION OF HIP FRACTURE.....	91	4.4	6.2	3.2	11.0	11.4	3.4	13.2	14.9	4.4
PROSTATECTOMY.....	260	0.4	0.7	0.5	0.4	1.7	1.1	0.8	3.0	1.5
CHOLECYSTECTOMY.....	142	0.7	2.6	1.9	2.8	4.5	2.4	3.5	6.0	2.6
HYSTERECTOMY.....	112	0.0	0.6	0.9	0.0	1.5	1.7	0.9	2.5	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 24,105					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.39	26.80	0.33	0.98	0.01	4.37	4.75	0.14	0.92	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.93	0.75	0.06	1.24	0.09					
CONGESTIVE HEART FAILURE.....	1.70	1.57	0.08	1.08	0.06					
PNEUMONIA/INFLUENZA.....	0.79	1.07	0.07	0.74	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.44	0.42	0.04	1.06	0.11					
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.36	0.04	0.88	0.10					
STROKE.....	0.90	0.87	0.06	1.04	0.07					
HIP FRACTURE.....	0.52	0.61	0.05	0.84	0.07					
SEPSIS.....	0.34	0.35	0.04	0.92	0.10					
PROCEDURES:										
ANGIOPLASTY.....	0.23	0.23	0.03	1.02	0.15					
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.32	0.04	0.89	0.10					
INITIAL PACEMAKER INSERTION.....	0.15	0.18	0.03	0.92	0.15					
CAROTID ENDARTERECTOMY.....	0.05	0.11	0.02	1.00	0.22					
HIP REPLACEMENT/RECONSTRUCTION.....	0.48	0.40	0.04	1.20	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.30	0.03	1.05	0.13					
PROSTATECTOMY.....	0.54	0.65	0.05	0.83	0.07					
CHOLECYSTECTOMY.....	0.29	0.36	0.04	0.86	0.09					
HYSTERECTOMY.....	0.18	0.16	0.03	1.09	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

BATTLE CREEK, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,921	10.6	10.3	0.6	15.4	15.0	0.7	18.6	18.9	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	104	28.8	27.0	4.6	30.8	30.7	4.6	34.6	34.3	4.7
CONGESTIVE HEART FAILURE.....	194	17.5	16.0	3.0	24.7	24.8	3.7	30.4	32.0	3.8
PNEUMONIA/INFLUENZA.....	271	17.0	16.3	3.1	23.6	22.2	4.7	26.9	26.9	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	71	5.6	7.9	5.5	9.9	13.2	6.9	12.7	17.7	7.6
TRANSIENT CEREBRAL ISCHEMIA.....	46	4.3	1.9	*	8.7	4.2	*	10.9	6.7	*
STROKE.....	143	21.7	24.8	4.2	31.5	31.4	4.0	35.0	36.0	4.2
HIP FRACTURE.....	120	12.5	7.6	4.4	18.3	13.5	5.3	22.5	17.3	5.9
SEPSIS.....	68	27.9	28.4	5.5	30.9	36.3	6.3	35.3	42.5	6.8
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	28	3.6	3.6	*	10.7	7.3	*	21.4	10.8	*
CAROTID ENDARTERECTOMY.....	26	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	67	6.0	3.7	3.8	10.4	6.8	5.8	11.9	9.0	6.4
OPEN REDUCTION OF HIP FRACTURE.....	57	3.5	6.6	4.6	7.0	12.2	6.8	12.3	16.0	5.8
PROSTATECTOMY.....	145	0.7	0.9	1.2	3.4	2.3	1.5	4.1	3.9	1.7
CHOLECYSTECTOMY.....	82	6.1	2.3	3.4	6.1	4.2	2.9	6.1	5.7	3.1
HYSTERECTOMY.....	17	0.0	1.3	*	5.9	2.6	*	5.9	3.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 21,097						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.03	29.03	0.37	**	**		4.89	4.75	0.15	1.03	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.13	0.90	0.06	1.26	0.09						
CONGESTIVE HEART FAILURE.....	1.58	1.78	0.09	0.88	0.05						
PNEUMONIA/INFLUENZA.....	1.66	1.29	0.08	1.28	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.54	0.55	0.05	0.94	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.43	0.04	0.66	0.07						
STROKE.....	0.85	0.94	0.07	0.89	0.06						
HIP FRACTURE.....	0.72	0.59	0.05	1.22	0.11						
SEPSIS.....	0.48	0.36	0.04	1.29	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.47	0.25	0.04	1.75	0.25						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.35	0.04	1.08	0.13						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.03	1.13	0.19						
CAROTID ENDARTERECTOMY.....	0.20	0.13	0.02	1.00	0.21						
HIP REPLACEMENT/RECONSTRUCTION.....	0.48	0.40	0.04	1.23	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.29	0.04	1.09	0.14						
PROSTATECTOMY.....	0.78	0.74	0.06	1.04	0.08						
CHOLECYSTECTOMY.....	0.52	0.45	0.05	1.12	0.12						
HYSTERECTOMY.....	0.14	0.17	0.03	0.71	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

BENTON HARBOR, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,162	10.1	9.3	0.7	15.3	14.0	0.9	18.8	17.8	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	128	34.4	27.1	5.8	37.5	30.6	6.8	42.2	34.1	7.3
CONGESTIVE HEART FAILURE.....	287	13.6	14.4	2.5	20.9	22.2	3.0	28.9	28.8	2.7
PNEUMONIA/INFLUENZA.....	259	16.6	15.4	3.0	26.6	21.0	4.1	30.5	25.5	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	43	7.0	7.3	*	14.0	12.3	*	16.3	16.9	*
TRANSIENT CEREBRAL ISCHEMIA.....	76	1.3	2.3	2.2	5.3	5.2	3.0	9.2	8.2	3.7
STROKE.....	159	23.3	19.6	3.7	33.3	26.0	5.6	37.7	30.4	5.5
HIP FRACTURE.....	87	9.2	6.5	4.1	13.8	11.7	5.8	17.2	15.2	4.5
SEPSIS.....	52	21.2	26.0	6.3	25.0	33.3	7.8	25.0	39.3	8.7
PROCEDURES:										
ANGIOPLASTY.....	51	3.9	2.7	2.8	3.9	3.5	3.2	5.9	4.5	3.5
CORONARY ARTERY BYPASS GRAFT.....	37	8.1	4.2	*	13.5	6.0	*	16.2	7.1	*
INITIAL PACEMAKER INSERTION.....	22	9.1	4.1	*	13.6	7.7	*	13.6	10.9	*
CAROTID ENDARTERECTOMY.....	7	0.0	1.7	*	0.0	3.4	*	0.0	5.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	70	1.4	3.7	3.0	7.1	6.7	3.1	8.6	8.9	3.5
OPEN REDUCTION OF HIP FRACTURE.....	42	14.3	5.9	*	16.7	11.1	*	19.0	14.7	*
PROSTATECTOMY.....	127	0.0	0.9	1.1	1.6	2.2	1.7	1.6	3.7	2.5
CHOLECYSTECTOMY.....	94	2.1	3.0	1.9	5.3	5.4	2.7	10.6	7.1	3.5
HYSTERECTOMY.....	22	4.5	1.6	*	4.5	3.5	*	4.5	5.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 26,753						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.29	28.71	0.33	0.99	0.01		4.57	4.61	0.13	0.99	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.89	0.06	0.87	0.06						
CONGESTIVE HEART FAILURE.....	1.84	1.75	0.08	1.04	0.05						
PNEUMONIA/INFLUENZA.....	1.39	1.22	0.07	1.14	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.34	0.52	0.04	0.67	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.41	0.04	1.07	0.11						
STROKE.....	0.92	0.95	0.06	0.96	0.06						
HIP FRACTURE.....	0.45	0.56	0.05	0.79	0.07						
SEPSIS.....	0.36	0.35	0.04	1.04	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.47	0.25	0.03	1.81	0.23						
CORONARY ARTERY BYPASS GRAFT.....	0.57	0.35	0.04	1.60	0.17						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.03	0.75	0.11						
CAROTID ENDARTERECTOMY.....	0.12	0.13	0.02	1.00	0.19						
HIP REPLACEMENT/RECONSTRUCTION.....	0.49	0.40	0.04	1.21	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.27	0.03	0.77	0.10						
PROSTATECTOMY.....	0.57	0.77	0.05	0.73	0.05						
CHOLECYSTECTOMY.....	0.46	0.45	0.04	1.03	0.10						
HYSTERECTOMY.....	0.13	0.17	0.02	0.78	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

DETROIT, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	101,378	10.1	10.1	0.1	15.7	15.3	0.3	19.5	19.3	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,338	26.8	26.7	1.0	31.4	30.2	1.3	33.9	33.6	1.1
CONGESTIVE HEART FAILURE.....	6,028	14.6	15.4	0.6	23.4	23.7	0.7	30.0	30.5	1.0
PNEUMONIA/INFLUENZA.....	3,485	17.2	17.5	0.8	24.8	23.8	0.8	30.0	28.6	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1,155	8.4	11.8	1.3	14.5	18.2	1.7	19.0	23.6	1.7
TRANSIENT CEREBRAL ISCHEMIA.....	2,003	1.9	1.9	0.5	3.9	4.2	0.8	5.9	6.6	1.1
STROKE.....	4,253	18.5	20.0	0.9	26.6	27.0	0.8	30.7	31.4	0.8
HIP FRACTURE.....	2,152	7.2	7.2	0.8	14.4	12.8	1.0	18.2	16.4	1.1
SEPSIS.....	1,390	29.6	28.9	1.4	39.0	37.9	1.8	45.5	44.2	2.5
PROCEDURES:										
ANGIOPLASTY.....	709	5.2	3.8	1.6	5.9	4.8	1.6	6.8	6.0	1.5
CORONARY ARTERY BYPASS GRAFT.....	1,214	4.8	5.4	1.0	7.2	7.8	0.9	9.0	9.3	0.9
INITIAL PACEMAKER INSERTION.....	700	2.9	3.6	1.0	5.9	6.8	1.3	8.9	9.8	1.5
CAROTID ENDOARTERECTOMY.....	668	1.3	1.5	0.6	1.9	2.9	1.0	3.0	4.2	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	1,573	4.2	3.5	0.8	8.1	6.5	1.0	10.3	8.8	1.0
OPEN REDUCTION OF HIP FRACTURE.....	1,146	6.0	6.8	1.1	14.0	12.4	1.2	17.5	16.1	1.4
PROSTATECTOMY.....	3,325	0.7	0.9	0.3	1.8	2.2	0.5	3.1	3.6	0.6
CHOLECYSTECTOMY.....	1,862	2.6	2.8	0.4	5.1	4.9	0.6	7.0	6.4	0.8
HYSTERECTOMY.....	794	1.3	0.8	0.5	2.3	1.5	0.7	3.0	2.3	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 587,788						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SD,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	28.72	26.87	0.07	1.07	0.00		4.77	4.48	0.03	1.06	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.78	0.01	1.17	0.02						
CONGESTIVE HEART FAILURE.....	2.02	1.64	0.02	1.23	0.01						
PNEUMONIA/INFLUENZA.....	0.97	1.02	0.01	0.96	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.38	0.45	0.01	0.85	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.50	0.38	0.01	1.30	0.03						
STROKE.....	1.08	0.91	0.01	1.18	0.02						
HIP FRACTURE.....	0.50	0.52	0.01	0.98	0.02						
SEPSIS.....	0.44	0.34	0.01	1.28	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.22	0.01	1.03	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.31	0.01	1.19	0.03						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.99	0.03						
CAROTID ENDOARTERECTOMY.....	0.17	0.11	0.00	1.00	0.04						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.37	0.01	0.95	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.25	0.01	1.05	0.03						
PROSTATECTOMY.....	0.74	0.72	0.01	1.04	0.02						
CHOLECYSTECTOMY.....	0.41	0.38	0.01	1.08	0.02						
HYSTERECTOMY.....	0.17	0.16	0.00	1.07	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

FLINT, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	11,677	9.4	9.4	0.3	14.5	14.2	0.4	18.2	17.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	409	25.2	26.9	2.7	29.6	30.2	2.7	32.0	33.5	3.3
CONGESTIVE HEART FAILURE.....	651	19.8	15.2	2.3	27.5	23.6	2.2	36.1	30.6	2.7
PNEUMONIA/INFLUENZA.....	440	13.9	16.7	3.2	21.4	22.7	2.8	25.5	27.4	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	154	7.1	10.1	3.5	11.7	15.8	4.0	18.2	20.8	3.7
TRANSIENT CEREBRAL ISCHEMIA.....	232	1.7	1.9	1.0	4.7	4.2	1.8	6.0	6.7	2.3
STROKE.....	425	20.2	20.5	2.6	28.5	27.6	2.6	34.6	32.1	3.8
HIP FRACTURE.....	225	5.8	6.6	1.8	12.0	11.8	2.5	16.0	15.2	3.3
SEPSIS.....	134	19.4	28.0	7.5	33.6	36.4	7.4	38.8	42.7	5.2
PROCEDURES:										
ANGIOPLASTY.....	51	5.9	2.6	4.8	5.9	3.3	4.9	5.9	4.1	5.2
CORONARY ARTERY BYPASS GRAFT.....	182	7.1	5.0	2.8	9.9	7.0	2.9	9.9	8.3	2.5
INITIAL PACEMAKER INSERTION.....	87	0.0	3.1	3.5	2.3	6.2	5.2	5.7	9.2	6.1
CAROTID ENDARTERECTOMY.....	157	1.3	1.4	1.0	3.8	2.6	1.6	4.5	3.9	1.7
HIP REPLACEMENT/RECONSTRUCTION.....	196	0.5	2.8	2.3	2.0	5.4	3.2	6.1	7.3	2.6
OPEN REDUCTION OF HIP FRACTURE.....	122	8.2	6.2	4.8	15.6	11.5	6.8	19.7	15.1	7.5
PROSTATECTOMY.....	434	1.2	0.8	0.6	2.3	1.9	0.8	3.7	3.2	1.0
CHOLECYSTECTOMY.....	250	4.0	2.7	1.9	6.8	4.8	2.0	7.6	6.3	2.0
HYSTERECTOMY.....	86	0.0	0.5	1.5	1.2	1.1	1.3	2.3	1.6	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 62,378						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.36	27.46	0.21	1.11	0.01		4.67	4.56	0.08	1.03	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.97	0.81	0.04	1.21	0.05						
CONGESTIVE HEART FAILURE.....	2.08	1.67	0.05	1.25	0.04						
PNEUMONIA/INFLUENZA.....	1.07	1.11	0.04	0.96	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.51	0.49	0.03	1.03	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.50	0.38	0.02	1.32	0.09						
STROKE.....	1.01	0.89	0.04	1.13	0.05						
HIP FRACTURE.....	0.46	0.54	0.03	0.85	0.05						
SEPSIS.....	0.39	0.34	0.02	1.15	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.23	0.02	0.93	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.47	0.32	0.02	1.45	0.10						
INITIAL PACEMAKER INSERTION.....	0.20	0.18	0.02	1.13	0.11						
CAROTID ENDARTERECTOMY.....	0.30	0.11	0.01	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.38	0.02	1.10	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.26	0.02	0.94	0.08						
PROSTATECTOMY.....	0.82	0.69	0.03	1.17	0.06						
CHOLECYSTECTOMY.....	0.48	0.40	0.02	1.20	0.08						
HYSTERECTOMY.....	0.18	0.16	0.02	1.09	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

GRAND RAPIDS, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	15,690	8.2	8.3	0.3	12.7	12.5	0.3	16.1	15.8	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	515	25.0	26.6	2.9	28.7	29.7	2.6	32.6	33.0	2.2
CONGESTIVE HEART FAILURE.....	638	13.2	14.2	1.6	20.5	21.9	1.8	29.2	28.4	1.9
PNEUMONIA/INFLUENZA.....	642	17.0	16.4	2.0	24.0	22.2	2.4	29.3	26.8	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	109	8.3	8.6	3.1	15.6	13.8	5.9	22.9	18.4	7.0
TRANSIENT CEREBRAL ISCHEMIA.....	142	1.4	1.8	1.3	2.1	4.0	2.3	4.9	6.4	2.6
STROKE.....	527	19.7	20.6	1.9	26.4	27.4	2.2	31.3	31.7	2.2
HIP FRACTURE.....	535	5.6	6.9	2.2	10.7	12.2	2.6	13.5	15.7	3.1
SEPSIS.....	150	24.0	27.9	5.5	33.3	35.4	6.8	37.3	41.4	6.2
PROCEDURES:										
ANGIOPLASTY.....	200	1.5	2.9	2.3	2.5	3.7	2.7	3.0	4.7	2.8
CORONARY ARTERY BYPASS GRAFT.....	371	4.9	4.6	1.2	6.7	6.4	1.3	7.5	7.5	1.6
INITIAL PACEMAKER INSERTION.....	151	2.6	3.1	2.2	6.0	6.1	2.0	7.3	9.0	2.9
CAROTID ENDOARTERECTOMY.....	122	0.0	1.4	*	0.8	2.6	*	0.8	3.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	472	2.3	2.8	1.0	4.4	5.1	1.8	5.3	6.8	2.3
OPEN REDUCTION OF HIP FRACTURE.....	291	4.8	6.0	2.0	9.6	11.1	2.6	12.7	14.4	2.9
PROSTATECTOMY.....	875	0.8	0.7	0.3	2.7	1.7	0.7	4.0	2.9	0.9
CHOLECYSTECTOMY.....	398	1.8	2.8	1.2	3.3	5.0	1.9	4.5	6.5	2.5
HYSTERECTOMY.....	147	0.7	0.7	0.7	1.4	1.5	1.0	2.0	2.2	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 83,329									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.68	27.05	0.18	0.80	0.00	4.36	4.69	0.07	0.93	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.68	0.85	0.03	0.81	0.03					
CONGESTIVE HEART FAILURE.....	1.11	1.62	0.04	0.68	0.02					
PNEUMONIA/INFLUENZA.....	0.96	1.16	0.04	0.82	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.20	0.46	0.02	0.45	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.20	0.38	0.02	0.53	0.03					
STROKE.....	0.72	0.88	0.03	0.81	0.03					
HIP FRACTURE.....	0.68	0.62	0.03	1.09	0.05					
SEPSIS.....	0.23	0.33	0.02	0.71	0.04					
PROCEDURES:										
ANGIOPLASTY.....	0.21	0.24	0.02	0.88	0.06					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.34	0.02	0.99	0.06					
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	1.07	0.09					
CAROTID ENDOARTERECTOMY.....	0.12	0.12	0.01	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.43	0.02	1.24	0.07					
OPEN REDUCTION OF HIP FRACTURE.....	0.37	0.30	0.02	1.23	0.08					
PROSTATECTOMY.....	0.94	0.73	0.03	1.28	0.05					
CHOLECYSTECTOMY.....	0.48	0.41	0.02	1.19	0.06					
HYSTERECTOMY.....	0.17	0.17	0.01	0.98	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

JACKSON, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,535	9.3	8.7	0.6	14.1	13.4	0.8	18.2	17.2	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	111	30.6	25.3	7.0	35.1	28.7	6.7	36.0	32.2	6.1
CONGESTIVE HEART FAILURE.....	179	14.5	14.8	3.7	24.0	22.8	3.3	29.6	29.5	3.4
PNEUMONIA/INFLUENZA.....	134	17.9	15.3	3.8	20.1	21.0	3.9	26.9	25.7	4.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	61	4.9	8.3	4.2	14.8	14.5	4.6	23.0	20.0	5.9
TRANSIENT CEREBRAL ISCHEMIA.....	55	3.6	2.0	2.4	7.3	4.5	3.6	9.1	7.1	4.0
STROKE.....	128	18.0	18.0	4.0	23.4	23.6	3.8	26.6	27.8	4.1
HIP FRACTURE.....	88	10.2	7.0	5.5	15.9	12.5	5.5	20.5	16.2	6.0
SEPSIS.....	55	20.0	25.8	6.9	23.6	33.4	8.6	25.5	39.5	9.4
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	27	0.0	2.5	*	3.7	4.7	*	7.4	6.8	*
CAROTID ENDARTERECTOMY.....	11	0.0	1.7	*	0.0	3.4	*	9.1	5.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	84	1.2	3.0	2.4	4.8	5.6	3.0	4.8	7.4	3.7
OPEN REDUCTION OF HIP FRACTURE.....	41	12.2	6.6	*	17.1	12.3	*	24.4	16.1	*
PROSTATECTOMY.....	150	2.0	1.2	1.1	2.7	2.4	1.5	5.3	3.7	2.3
CHOLECYSTECTOMY.....	78	2.6	2.4	1.8	3.8	4.0	2.6	3.8	5.0	3.3
HYSTERECTOMY.....	26	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 21,182						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.93	28.35	0.37	1.02	0.01		4.84	4.63	0.15	1.04	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.06	0.91	0.07	1.19	0.09						
CONGESTIVE HEART FAILURE.....	1.67	1.70	0.09	0.97	0.05						
PNEUMONIA/INFLUENZA.....	1.01	1.25	0.08	0.81	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.65	0.53	0.05	1.18	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.34	0.43	0.04	0.76	0.08						
STROKE.....	0.79	0.91	0.07	0.85	0.06						
HIP FRACTURE.....	0.52	0.59	0.05	0.85	0.08						
SEPSIS.....	0.40	0.33	0.04	1.18	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.25	0.04	0.83	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.36	0.04	0.91	0.11						
INITIAL PACEMAKER INSERTION.....	0.25	0.19	0.03	1.42	0.25						
CAROTID ENDARTERECTOMY.....	0.08	0.13	0.03	1.00	0.21						
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.42	0.04	1.08	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.04	0.98	0.13						
PROSTATECTOMY.....	0.97	0.75	0.06	1.33	0.11						
CHOLECYSTECTOMY.....	0.44	0.46	0.05	0.95	0.10						
HYSTERECTOMY.....	0.17	0.17	0.03	0.98	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

KALAMAZOO, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,554	9.3	8.4	0.9	13.3	12.7	1.0	16.5	16.0	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	150	20.7	24.4	3.9	22.7	26.9	4.2	23.3	29.7	4.9
CONGESTIVE HEART FAILURE.....	180	16.7	15.2	3.3	22.2	23.1	3.4	29.4	29.8	3.5
PNEUMONIA/INFLUENZA.....	43	16.3	13.9	*	23.3	19.3	*	25.6	23.3	*
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	38	21.1	7.3	*	23.7	12.0	*	28.9	16.2	*
TRANSIENT CEREBRAL ISCHEMIA.....	29	0.0	1.8	*	3.4	4.0	*	10.3	6.5	*
STROKE.....	131	19.1	18.0	3.5	28.2	24.1	5.1	32.8	28.2	5.3
HIP FRACTURE.....	79	8.9	7.0	3.1	10.1	12.6	4.4	11.4	16.3	5.8
SEPSIS.....	21	38.1	26.1	*	42.9	36.4	*	47.6	43.5	*
PROCEDURES:										
ANGIOPLASTY.....	292	4.5	3.6	1.9	5.5	4.4	2.3	6.8	5.4	2.5
CORONARY ARTERY BYPASS GRAFT.....	177	6.8	4.6	2.8	7.9	6.7	2.5	9.0	8.0	2.4
INITIAL PACEMAKER INSERTION.....	60	0.0	2.2	2.6	1.7	4.6	4.1	3.3	7.0	5.3
CAROTID ENDARTERECTOMY.....	73	2.7	1.6	1.8	2.7	3.1	2.1	4.1	4.5	2.5
HIP REPLACEMENT/RECONSTRUCTION.....	104	2.9	2.1	1.7	3.8	4.0	2.4	3.8	5.5	2.9
OPEN REDUCTION OF HIP FRACTURE.....	21	0.0	5.7	*	0.0	10.4	*	0.0	13.4	*
PROSTATECTOMY.....	60	3.3	0.7	1.3	6.7	1.7	2.6	11.7	3.0	4.4
CHOLECYSTECTOMY.....	60	5.0	2.4	3.1	6.7	4.4	3.5	6.7	6.0	3.6
HYSTERECTOMY.....	24	4.2	0.5	*	8.3	1.1	*	8.3	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 26,695					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.69	27.68	0.32	0.78	0.01	4.76	4.80	0.13	0.99	0.03
CONITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.66	0.84	0.06	0.79	0.05					
CONGESTIVE HEART FAILURE.....	1.36	1.66	0.08	0.82	0.04					
PNEUMONIA/INFLUENZA.....	0.60	1.19	0.07	0.50	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.33	0.47	0.04	0.68	0.06					
TRANSIENT CEREBRAL ISCHEMIA.....	0.20	0.39	0.04	0.49	0.05					
STROKE.....	0.81	0.90	0.06	0.91	0.06					
HIP FRACTURE.....	0.67	0.63	0.05	1.04	0.08					
SEPSIS.....	0.18	0.34	0.04	0.50	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.46	0.23	0.03	1.97	0.26					
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.33	0.03	1.28	0.14					
INITIAL PACEMAKER INSERTION.....	0.17	0.18	0.03	1.04	0.16					
CAROTID ENDARTERECTOMY.....	0.18	0.12	0.02	1.00	0.20					
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.42	0.04	1.22	0.12					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.31	0.03	0.80	0.09					
PROSTATECTOMY.....	0.71	0.69	0.05	1.02	0.08					
CHOLECYSTECTOMY.....	0.34	0.41	0.04	0.83	0.08					
HYSTERECTOMY.....	0.13	0.17	0.02	0.73	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

LANSING-EAST LANSING, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,412	9.1	9.2	0.4	14.2	13.9	0.5	17.7	17.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	266	22.6	25.7	4.8	26.7	29.1	4.8	29.7	32.6	4.1
CONGESTIVE HEART FAILURE.....	300	18.7	15.6	2.6	29.3	24.1	3.9	35.7	31.0	3.7
PNEUMONIA/INFLUENZA.....	288	12.8	15.2	3.9	18.4	20.9	3.8	24.0	25.4	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	107	3.7	7.2	3.2	9.3	12.5	3.9	15.0	17.3	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	65	0.0	2.1	2.4	3.1	4.9	3.0	3.1	7.9	4.5
STROKE.....	209	21.5	21.0	3.1	27.3	27.8	3.6	31.1	32.3	3.7
HIP FRACTURE.....	145	6.9	7.0	2.1	9.7	12.5	4.0	12.4	16.3	5.6
SEPSIS.....	89	15.7	27.1	7.5	28.1	35.1	7.0	32.6	41.1	7.8
PROCEDURES:										
ANGIOPLASTY.....	49	0.0	2.7	*	2.0	3.7	*	4.1	5.0	*
CORONARY ARTERY BYPASS GRAFT.....	150	7.3	5.2	2.4	7.3	7.3	2.1	8.0	8.7	2.6
INITIAL PACEMAKER INSERTION.....	50	0.0	2.8	*	2.0	5.4	*	6.0	7.8	*
CAROTID ENDARTERECTOMY.....	58	0.0	1.2	1.9	1.7	2.3	2.7	5.2	3.4	3.3
HIP REPLACEMENT/RECONSTRUCTION.....	147	2.0	2.4	1.5	4.8	4.7	1.9	6.8	6.6	2.1
OPEN REDUCTION OF HIP FRACTURE.....	83	8.4	6.7	3.0	9.6	12.4	4.3	12.0	16.2	5.9
PROSTATECTOMY.....	202	0.5	1.2	0.9	1.0	2.6	1.3	1.5	4.0	1.8
CHOLECYSTECTOMY.....	106	4.7	2.3	2.6	8.5	4.2	4.4	8.5	5.6	4.2
HYSTERECTOMY.....	54	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 44,553						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.75	27.46	0.25	0.90	0.01		4.66	4.75	0.10	0.98	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.01	0.85	0.04	1.19	0.06						
CONGESTIVE HEART FAILURE.....	1.32	1.65	0.06	0.80	0.03						
PNEUMONIA/INFLUENZA.....	1.10	1.19	0.05	0.92	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.50	0.47	0.03	1.03	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.39	0.03	0.62	0.05						
STROKE.....	0.81	0.89	0.04	0.91	0.05						
HIP FRACTURE.....	0.54	0.63	0.04	0.87	0.05						
SEPSIS.....	0.39	0.33	0.03	1.17	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.24	0.02	0.79	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.34	0.03	1.04	0.09						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.02	0.81	0.09						
CAROTID ENDARTERECTOMY.....	0.15	0.12	0.02	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.43	0.03	1.05	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.30	0.03	0.95	0.08						
PROSTATECTOMY.....	0.73	0.71	0.04	1.02	0.06						
CHOLECYSTECTOMY.....	0.35	0.42	0.03	0.84	0.06						
HYSTERECTOMY.....	0.18	0.17	0.02	1.04	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

MUSKEGON, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	4,345	9.6	8.5	0.7	13.6	12.8	0.6	17.2	16.3	0.7
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	172	28.5	25.9	4.2	29.7	28.9	4.7	33.7	32.1	4.7
CONGESTIVE HEART FAILURE.....	240	12.5	14.2	4.2	18.8	21.7	4.4	27.5	28.2	3.1
PNEUMONIA/INFLUENZA.....	148	14.2	13.8	3.4	19.6	18.7	3.7	25.0	22.6	5.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	37	13.5	11.2	*	18.9	16.3	*	27.0	20.9	*
TRANSIENT CEREBRAL ISCHEMIA.....	56	3.6	1.6	2.7	5.4	3.5	3.8	7.1	5.5	3.9
STROKE.....	170	29.4	20.4	4.9	35.9	27.2	5.5	39.4	31.7	5.0
HIP FRACTURE.....	121	9.1	5.9	4.4	16.5	10.5	3.8	16.5	13.7	4.5
SEPSIS.....	48	25.0	26.3	*	35.4	34.3	*	41.7	40.8	*
PROCEDURES:										
ANGIOPLASTY.....	37	0.0	3.0	*	0.0	4.6	*	2.7	6.1	*
CORONARY ARTERY BYPASS GRAFT.....	64	6.3	5.5	3.6	7.8	7.9	4.0	9.4	9.3	4.0
INITIAL PACEMAKER INSERTION.....	28	3.6	4.1	*	3.6	7.6	*	3.6	10.8	*
CAROTID ENDOARTERECTOMY.....	19	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	121	1.7	2.1	1.4	2.5	3.9	2.1	3.3	5.2	2.6
OPEN REDUCTION OF HIP FRACTURE.....	69	11.6	5.5	5.6	21.7	10.3	5.6	21.7	13.5	6.3
PROSTATECTOMY.....	211	0.0	0.8	1.0	0.9	1.8	1.2	1.4	3.0	1.8
CHOLECYSTECTOMY.....	113	4.4	2.5	3.4	6.2	4.4	3.8	7.1	5.7	3.8
HYSTERECTOMY.....	34	2.9	0.7	*	2.9	1.5	*	2.9	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 24,901						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	23.79	29.66	0.34	0.80	0.01		4.51	4.61	0.14	0.98	0.03
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.90	0.06	1.01	0.07						
CONGESTIVE HEART FAILURE.....	1.52	1.82	0.09	0.84	0.04						
PNEUMONIA/INFLUENZA.....	0.86	1.31	0.07	0.65	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.32	0.58	0.05	0.60	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.42	0.04	0.70	0.07						
STROKE.....	0.84	0.96	0.06	0.88	0.06						
HIP FRACTURE.....	0.54	0.55	0.05	0.95	0.08						
SEPSIS.....	0.30	0.36	0.04	0.87	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.26	0.03	0.69	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.35	0.04	0.81	0.09						
INITIAL PACEMAKER INSERTION.....	0.11	0.18	0.03	0.51	0.08						
CAROTID ENDOARTERECTOMY.....	0.10	0.14	0.02	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.39	0.04	1.21	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.27	0.03	1.16	0.15						
PROSTATECTOMY.....	0.82	0.74	0.05	1.10	0.08						
CHOLECYSTECTOMY.....	0.50	0.46	0.04	1.12	0.11						
HYSTERECTOMY.....	0.15	0.17	0.03	0.88	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

SAGINAH-BAY CITY-MIOLANO, MI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,345	8.1	8.1	0.4	12.8	12.5	0.4	16.0	16.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	330	28.8	26.5	5.1	32.7	29.6	5.3	35.5	32.9	5.8
CONGESTIVE HEART FAILURE.....	582	17.4	14.6	2.8	25.6	22.8	2.9	31.3	29.5	2.7
PNEUMONIA/INFLUENZA.....	422	17.3	16.7	2.3	26.3	22.8	3.2	31.3	27.6	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	125	12.0	7.5	5.2	17.6	13.7	5.4	22.4	19.1	5.9
TRANSIENT CEREBRAL ISCHEMIA.....	340	1.5	1.9	1.0	2.9	4.1	1.5	5.0	6.5	2.0
STROKE.....	400	22.5	21.6	3.5	30.7	28.2	4.3	35.0	32.6	4.5
HIP FRACTURE.....	204	6.4	6.3	1.8	10.8	11.2	2.3	14.2	14.5	2.7
SEPSIS.....	93	29.0	29.0	4.7	35.5	37.9	6.0	41.9	44.7	6.3
PROCEDURES:										
ANGIOPLASTY.....	80	1.2	1.1	1.2	1.2	1.6	1.6	1.2	2.3	2.2
CORONARY ARTERY BYPASS GRAFT.....	248	2.8	4.2	2.0	4.8	6.1	2.7	5.6	7.5	2.3
INITIAL PACEMAKER INSERTION.....	121	1.7	3.0	2.1	3.3	5.9	3.4	6.6	8.7	3.9
CAROTID ENDOARTERECTOMY.....	169	1.2	1.5	1.0	2.4	2.7	1.3	4.7	4.0	1.6
HIP REPLACEMENT/RECONSTRUCTION.....	243	2.5	2.4	1.3	3.7	4.6	1.8	5.3	6.3	2.0
OPEN REDUCTION OF HIP FRACTURE.....	109	5.5	5.8	2.7	10.1	10.6	3.2	13.8	13.9	3.9
PROSTATECTOMY.....	400	0.2	1.0	0.8	1.5	2.3	1.2	3.5	3.9	1.5
CHOLECYSTECTOMY.....	256	2.3	3.0	1.2	5.9	5.6	1.5	7.8	7.6	1.7
HYSTERECTOMY.....	88	0.0	0.5	0.9	1.1	0.9	1.1	1.1	1.3	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 55,059						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.99	27.61	0.22	1.09	0.01		4.61	4.57	0.09	1.01	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.86	0.04	0.97	0.04						
CONGESTIVE HEART FAILURE.....	1.77	1.66	0.05	1.07	0.03						
PNEUMONIA/INFLUENZA.....	1.00	1.16	0.05	0.86	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.40	0.50	0.03	0.80	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.67	0.40	0.03	1.67	0.11						
STROKE.....	0.80	0.90	0.04	0.89	0.04						
HIP FRACTURE.....	0.45	0.57	0.03	0.80	0.05						
SEPSIS.....	0.28	0.33	0.02	0.81	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.21	0.24	0.02	0.79	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.52	0.35	0.02	1.49	0.11						
INITIAL PACEMAKER INSERTION.....	0.24	0.19	0.02	1.25	0.13						
CAROTID ENDOARTERECTOMY.....	0.25	0.12	0.02	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.41	0.03	1.18	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.28	0.02	0.83	0.07						
PROSTATECTOMY.....	0.81	0.74	0.04	1.10	0.05						
CHOLECYSTECTOMY.....	0.52	0.43	0.03	1.26	0.08						
HYSTERECTOMY.....	0.15	0.17	0.02	0.98	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

MI-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	43,704	9.3	9.2	0.1	13.9	13.8	0.3	17.2	17.5	0.2
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,620	25.9	26.7	1.4	31.1	30.1	1.6	34.0	33.6	1.3
CONGESTIVE HEART FAILURE.....	2,538	15.4	15.1	0.7	22.7	23.2	0.9	28.3	30.0	1.1
PNEUMONIA/INFLUENZA.....	2,571	14.5	15.6	0.9	20.0	21.3	1.2	23.8	25.9	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	577	7.3	7.2	1.1	13.0	12.5	1.4	16.5	17.3	1.9
TRANSIENT CEREBRAL ISCHEMIA.....	659	1.1	1.9	0.9	4.2	4.4	0.8	6.7	7.1	1.0
STROKE.....	1,672	20.7	20.1	1.2	27.5	26.7	1.3	31.3	31.2	1.1
HIP FRACTURE.....	1,143	7.8	6.4	1.3	12.9	11.5	1.6	16.1	15.0	1.4
SEPSIS.....	492	27.2	27.4	2.0	34.8	34.7	2.7	39.4	40.7	2.3
PROCEDURES:										
ANGIOPLASTY.....	96	1.0	3.8	2.8	2.1	4.8	2.9	5.2	5.9	2.6
CORONARY ARTERY BYPASS GRAFT.....	192	5.2	5.0	1.7	7.8	7.2	1.9	9.4	8.7	2.2
INITIAL PACEMAKER INSERTION.....	191	1.6	4.2	2.4	5.2	7.6	3.3	7.9	10.6	3.6
CAROTID ENDOARTERECTOMY.....	160	1.2	1.5	1.0	3.8	2.9	1.7	5.0	4.3	1.7
HIP REPLACEMENT/RECONSTRUCTION.....	833	3.7	2.9	0.8	6.5	5.5	1.2	7.9	7.5	1.0
OPEN REDUCTION OF HIP FRACTURE.....	580	7.8	5.9	1.9	12.6	11.1	1.8	16.0	14.7	1.8
PROSTATECTOMY.....	1,515	1.1	0.8	0.3	2.6	2.0	0.5	4.4	3.4	0.8
CHOLECYSTECTOMY.....	1,053	2.8	2.3	0.7	3.7	4.0	0.7	5.3	5.3	0.7
HYSTERECTOMY.....	351	1.4	0.8	0.7	1.4	1.6	0.7	2.3	2.3	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 295,305						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.59	28.80	0.10	0.99	0.00		4.43	4.50	0.04	0.98	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.01	0.99	0.02	1.02	0.02						
CONGESTIVE HEART FAILURE.....	1.72	1.69	0.02	1.02	0.01						
PNEUMONIA/INFLUENZA.....	1.39	1.40	0.02	1.00	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.59	0.01	1.00	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.44	0.01	0.94	0.03						
STROKE.....	0.92	0.91	0.02	1.01	0.02						
HIP FRACTURE.....	0.52	0.57	0.01	0.92	0.02						
SEPSIS.....	0.30	0.31	0.01	0.95	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.27	0.25	0.01	1.05	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.38	0.01	1.12	0.04						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.93	0.05						
CAROTID ENDOARTERECTOMY.....	0.20	0.13	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.43	0.01	1.12	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.27	0.01	0.98	0.04						
PROSTATECTOMY.....	0.88	0.83	0.02	1.07	0.02						
CHOLECYSTECTOMY.....	0.53	0.51	0.01	1.05	0.03						
HYSTERECTOMY.....	0.18	0.18	0.01	0.99	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

DULUTH, MN-WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,148	9.7	9.4	0.4	14.1	14.1	0.6	17.4	17.8	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	385	24.9	26.8	2.6	29.4	30.2	3.1	30.6	33.7	3.8
CONGESTIVE HEART FAILURE.....	364	15.7	15.7	2.2	23.6	24.2	2.3	31.9	31.1	2.5
PNEUMONIA/INFLUENZA.....	289	16.3	17.9	2.5	22.8	24.2	3.5	27.7	29.2	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	68	8.8	8.6	4.1	8.8	14.6	6.4	20.6	19.8	5.0
TRANSIENT CEREBRAL ISCHEMIA.....	97	1.0	1.8	1.5	3.1	4.1	2.2	6.2	6.6	2.6
STROKE.....	340	26.5	22.7	3.9	34.1	29.0	4.2	38.2	33.5	4.4
HIP FRACTURE.....	264	5.3	6.8	2.0	8.7	12.3	3.7	12.1	15.9	4.0
SEPSIS.....	95	26.3	26.7	4.6	35.8	35.2	5.1	40.0	42.0	5.3
PROCEDURES:										
ANGIOPLASTY.....	63	1.6	3.9	2.8	4.8	5.1	2.8	6.3	6.5	3.1
CORONARY ARTERY BYPASS GRAFT.....	75	5.3	5.3	2.6	9.3	7.2	3.5	9.3	8.6	4.2
INITIAL PACEMAKER INSERTION.....	61	3.3	4.2	3.8	4.9	7.9	5.9	6.6	11.2	8.3
CAROTID ENDOARTERECTOMY.....	13	7.7	1.5	*	7.7	2.8	*	7.7	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	250	1.6	3.0	1.3	3.2	5.5	2.0	3.6	7.4	2.6
OPEN REDUCTION OF HIP FRACTURE.....	118	3.4	6.4	3.3	7.6	12.1	4.4	12.7	16.0	4.1
PROSTATECTOMY.....	435	0.9	1.0	0.8	3.4	2.3	1.2	4.1	3.8	1.5
CHOLECYSTECTOMY.....	182	2.2	2.6	1.9	3.8	4.7	2.1	5.5	6.2	2.0
HYSTERECTOMY.....	79	2.5	0.7	1.9	2.5	1.6	2.0	5.1	2.5	3.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 45,643					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.37	28.47	0.25	0.93	0.01	4.79	4.73	0.10	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.13	0.96	0.05	1.18	0.06					
CONGESTIVE HEART FAILURE.....	1.36	1.71	0.06	0.79	0.03					
PNEUMONIA/INFLUENZA.....	0.89	1.36	0.05	0.66	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.28	0.55	0.03	0.51	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.43	0.03	0.66	0.05					
STROKE.....	0.90	0.92	0.04	0.98	0.05					
HIP FRACTURE.....	0.58	0.64	0.04	0.89	0.05					
SEPSIS.....	0.26	0.32	0.03	0.80	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.24	0.25	0.02	0.97	0.09					
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.36	0.03	0.89	0.07					
INITIAL PACEMAKER INSERTION.....	0.14	0.20	0.02	0.74	0.08					
CAROTID ENDOARTERECTOMY.....	0.03	0.13	0.02	1.00	0.13					
HIP REPLACEMENT/RECONSTRUCTION.....	0.56	0.46	0.03	1.22	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.31	0.03	0.79	0.07					
PROSTATECTOMY.....	0.91	0.79	0.04	1.17	0.06					
CHOLECYSTECTOMY.....	0.46	0.48	0.03	0.96	0.07					
HYSTERECTOMY.....	0.19	0.18	0.02	1.07	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

FARGO-MOORHEAD, NO-MN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,927	7.6	8.1	0.7	11.7	12.6	0.7	14.8	16.1	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	170	24.1	25.2	4.1	27.1	28.5	4.5	28.8	32.1	5.2
CONGESTIVE HEART FAILURE.....	210	16.7	15.1	3.4	25.7	23.9	3.4	30.0	31.1	3.3
PNEUMONIA/INFLUENZA.....	153	17.0	16.0	3.2	18.3	22.2	4.5	21.6	27.0	5.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	40	5.0	6.2	*	17.5	11.3	*	22.5	15.8	*
TRANSIENT CEREBRAL ISCHEMIA.....	60	3.3	1.6	2.2	3.3	3.7	2.5	5.0	5.9	3.2
STROKE.....	187	15.0	20.6	3.8	20.9	27.7	4.4	23.0	32.5	5.3
HIP FRACTURE.....	180	5.6	6.3	1.9	10.0	11.7	2.9	14.4	15.4	2.9
SEPSIS.....	60	21.7	26.8	7.2	31.7	35.2	9.9	33.3	41.7	10.0
PROCEDURES:										
ANGIOPLASTY.....	106	2.8	3.5	1.8	4.7	4.5	2.0	5.7	5.6	2.5
CORONARY ARTERY BYPASS GRAFT.....	194	4.1	5.2	2.2	6.7	7.4	2.1	7.2	8.9	2.3
INITIAL PACEMAKER INSERTION.....	53	5.7	4.0	3.3	7.5	7.7	3.8	11.3	11.0	4.3
CAROTID ENDARTERECTOMY.....	28	7.1	1.6	*	7.1	3.1	*	7.1	4.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	255	2.0	2.1	1.3	3.1	3.9	1.3	5.1	5.4	1.4
OPEN REDUCTION OF HIP FRACTURE.....	88	6.8	5.5	3.7	11.4	10.5	4.0	14.8	14.0	4.3
PROSTATECTOMY.....	302	0.3	0.8	0.8	1.0	1.9	1.0	2.3	3.2	1.2
CHOLECYSTECTOMY.....	138	4.3	4.6	2.6	5.8	8.4	3.3	5.8	10.9	4.2
HYSTERECTOMY.....	55	1.8	1.2	2.0	3.6	2.4	2.7	3.6	3.3	3.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,897						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.83	27.31	0.39	0.95	0.01		4.43	4.92	0.17	0.90	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.88	0.07	0.86	0.07						
CONGESTIVE HEART FAILURE.....	1.31	1.60	0.09	0.82	0.05						
PNEUMONIA/INFLUENZA.....	1.08	1.36	0.09	0.79	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.30	0.48	0.05	0.64	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.39	0.05	0.82	0.10						
STROKE.....	0.89	0.87	0.07	1.03	0.08						
HIP FRACTURE.....	0.74	0.68	0.06	1.11	0.10						
SEPSIS.....	0.35	0.32	0.04	1.07	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.23	0.04	0.84	0.14						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.34	0.04	1.12	0.15						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.03	0.73	0.13						
CAROTID ENDARTERECTOMY.....	0.05	0.12	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.65	0.48	0.05	1.36	0.15						
OPEN REDUCTION OF HIP FRACTURE.....	0.37	0.32	0.04	1.16	0.16						
PROSTATECTOMY.....	0.78	0.76	0.06	1.05	0.09						
CHOLECYSTECTOMY.....	0.56	0.43	0.05	1.29	0.15						
HYSTERECTOMY.....	0.17	0.18	0.03	0.96	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

MINNEAPOLIS-ST. PAUL, MN-WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	43,691	8.5	8.3	0.3	13.0	12.8	0.3	16.4	16.4	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,312	28.0	27.1	1.3	32.3	30.5	1.6	35.2	33.9	1.6
CONGESTIVE HEART FAILURE.....	1,842	15.5	15.4	0.9	25.1	23.8	1.5	32.1	30.7	1.7
PNEUMONIA/INFLUENZA.....	1,698	17.1	17.9	1.7	23.3	24.4	2.3	28.0	29.3	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	495	9.3	7.9	1.8	17.0	13.9	3.2	21.6	19.1	3.4
TRANSIENT CEREBRAL ISCHEMIA.....	644	2.5	1.9	0.7	4.7	4.2	0.9	7.1	6.7	1.1
STROKE.....	1,404	22.1	21.5	1.6	28.1	28.1	1.3	32.3	32.6	1.3
HIP FRACTURE.....	1,279	5.3	6.5	1.0	10.4	11.7	1.2	13.5	15.2	1.5
SEPSIS.....	401	18.0	24.8	3.5	27.4	33.0	3.5	34.7	39.1	3.1
PROCEDURES:										
ANGIOPLASTY.....	447	1.1	2.3	1.1	1.6	3.2	1.2	2.5	4.1	1.4
CORONARY ARTERY BYPASS GRAFT.....	616	6.5	5.5	1.2	8.9	7.9	1.5	10.1	9.4	1.3
INITIAL PACEMAKER INSERTION.....	276	3.3	3.5	1.4	6.5	6.3	1.7	9.4	8.9	1.8
CAROTID ENDARTERECTOMY.....	160	0.6	1.4	1.4	1.9	2.6	2.2	2.5	3.8	2.4
HIP REPLACEMENT/RECONSTRUCTION.....	1,061	1.6	2.5	1.0	4.0	4.8	1.3	5.7	6.6	1.5
OPEN REDUCTION OF HIP FRACTURE.....	554	6.7	6.0	1.2	11.6	11.3	1.8	15.3	14.9	1.7
PROSTATECTOMY.....	1,308	1.0	0.9	0.4	2.7	2.2	0.8	4.4	3.6	1.1
CHOLECYSTECTOMY.....	760	4.7	2.7	1.0	7.2	4.9	1.1	8.8	6.5	1.3
HYSTERECTOMY.....	369	1.1	0.7	0.6	1.9	1.6	1.6	5.1	2.5	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 268,122					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.04	26.85	0.10	0.78	0.00	4.70	4.83	0.04	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.63	0.84	0.02	0.75	0.02					
CONGESTIVE HEART FAILURE.....	1.13	1.58	0.02	0.72	0.01					
PNEUMONIA/INFLUENZA.....	0.89	1.20	0.02	0.74	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.31	0.45	0.01	0.69	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.39	0.01	0.73	0.02					
STROKE.....	0.64	0.87	0.02	0.73	0.01					
HIP FRACTURE.....	0.57	0.68	0.02	0.84	0.02					
SEPSIS.....	0.22	0.32	0.01	0.69	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.14	0.23	0.01	0.64	0.03					
CORONARY ARTERY BYPASS GRAFT.....	0.22	0.33	0.01	0.65	0.02					
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.01	0.60	0.03					
CAROTID ENDARTERECTOMY.....	0.05	0.11	0.01	1.00	0.06					
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.46	0.01	0.89	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.32	0.01	0.75	0.03					
PROSTATECTOMY.....	0.53	0.71	0.02	0.74	0.02					
CHOLECYSTECTOMY.....	0.32	0.40	0.01	0.79	0.02					
HYSTERECTOMY.....	0.15	0.17	0.01	0.84	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

ROCHESTER, MN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	13,244	4.3	5.9	0.2	7.4	9.9	0.3	10.2	13.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	220	20.0	20.6	2.9	24.1	24.1	3.7	26.8	27.2	3.3
CONGESTIVE HEART FAILURE.....	248	12.1	15.2	4.3	20.2	24.2	4.5	29.4	31.2	3.4
PNEUMONIA/INFLUENZA.....	215	12.1	16.4	3.2	20.9	23.2	3.1	28.8	28.1	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	87	11.5	7.6	5.5	16.1	13.3	4.7	19.5	18.1	4.5
TRANSIENT CEREBRAL ISCHEMIA.....	132	2.3	1.5	1.6	3.0	3.1	1.6	4.5	4.7	1.8
STROKE.....	255	12.9	16.5	2.7	15.7	23.4	3.6	18.4	27.8	4.1
HIP FRACTURE.....	179	7.3	5.1	3.5	11.2	9.5	3.1	14.0	12.5	3.1
SEPSIS.....	65	15.4	20.4	9.0	24.6	28.8	8.5	30.8	34.9	6.7
PROCEDURES:										
ANGIOPLASTY.....	267	7.5	3.8	1.8	7.9	5.1	1.7	8.6	6.2	1.7
CORONARY ARTERY BYPASS GRAFT.....	348	4.6	6.1	1.6	5.7	8.8	2.1	6.0	10.3	2.4
INITIAL PACEMAKER INSERTION.....	88	3.4	3.1	2.2	5.7	5.8	2.5	8.0	8.4	3.1
CAROTID ENOARTERECTOMY.....	94	1.1	1.5	1.9	1.1	2.7	2.7	2.1	3.9	3.4
HIP REPLACEMENT/RECONSTRUCTION.....	538	0.9	1.4	0.6	2.2	2.8	0.9	3.0	4.0	1.3
OPEN REDUCTION OF HIP FRACTURE.....	54	13.0	5.4	4.4	14.8	10.2	4.7	14.8	13.5	5.5
PROSTATECTOMY.....	699	0.6	0.9	0.4	1.0	2.3	0.8	1.7	3.9	1.3
CHOLECYSTECTOMY.....	223	0.4	2.9	1.3	0.9	6.0	2.0	1.8	8.5	2.4
HYSTERECTOMY.....	197	1.0	1.0	0.7	2.5	2.1	1.1	3.6	3.2	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 11,195						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.59	26.47	0.49	1.16	0.02		4.30	5.05	0.21	0.85	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.03	0.83	0.09	1.22	0.13						
CONGESTIVE HEART FAILURE.....	1.14	1.55	0.12	0.74	0.06						
PNEUMONIA/INFLUENZA.....	1.28	1.19	0.10	1.07	0.09						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.51	0.41	0.06	1.24	0.19						
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.38	0.06	1.22	0.19						
STROKE.....	1.03	0.87	0.09	1.18	0.12						
HIP FRACTURE.....	0.88	0.74	0.08	1.16	0.13						
SEPSIS.....	0.31	0.32	0.05	0.93	0.16						
PROCEDURES:											
ANGIOPLASTY.....	0.58	0.21	0.04	2.76	0.61						
CORONARY ARTERY BYPASS GRAFT.....	0.49	0.32	0.05	1.55	0.27						
INITIAL PACEMAKER INSERTION.....	0.24	0.19	0.04	1.34	0.31						
CAROTID ENOARTERECTOMY.....	0.07	0.10	0.03	1.00	0.35						
HIP REPLACEMENT/RECONSTRUCTION.....	0.71	0.48	0.07	1.45	0.20						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.35	0.06	0.88	0.14						
PROSTATECTOMY.....	0.81	0.69	0.08	1.16	0.13						
CHOLECYSTECTOMY.....	0.37	0.38	0.06	1.00	0.16						
HYSTERECTOMY.....	0.25	0.17	0.04	1.43	0.35						

** QUANTITIES COULD NOT BE ESTIMATED

ST.CLOUD, MN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PREO	SO	OBS	PREO	SD
ALL CAUSES.....	3,441	8.6	8.9	0.5	12.7	13.7	0.8	15.7	17.5	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	108	21.3	25.4	7.1	28.7	28.6	6.6	30.6	31.9	4.6
CONGESTIVE HEART FAILURE.....	166	19.9	16.4	3.2	27.7	25.6	4.1	34.3	32.9	3.8
PNEUMONIA/INFLUENZA.....	176	11.9	16.8	4.6	19.3	23.1	5.6	22.7	28.0	6.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	37	8.1	7.7	*	13.5	12.8	*	16.2	17.4	*
TRANSIENT CEREBRAL ISCHEMIA.....	49	4.1	2.2	*	4.1	4.9	*	6.1	7.8	*
STROKE.....	104	20.2	20.8	4.0	21.2	27.3	4.9	26.9	31.8	4.9
HIP FRACTURE.....	88	5.7	7.7	3.4	6.8	13.5	5.5	9.1	17.2	6.3
SEPSIS.....	27	22.2	30.8	*	25.9	39.3	*	29.6	46.3	*
PROCEDURES:										
ANGIOPLASTY.....	27	0.0	2.7	*	3.7	3.4	*	3.7	4.2	*
CORONARY ARTERY BYPASS GRAFT.....	24	4.2	4.3	*	4.2	5.9	*	4.2	7.0	*
INITIAL PACEMAKER INSERTION.....	22	4.5	3.1	*	4.5	6.2	*	4.5	9.3	*
CAROTID ENDOARTERECTOMY.....	12	0.0	1.5	*	8.3	2.9	*	8.3	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	89	0.0	4.0	4.0	1.1	7.4	5.5	2.2	9.7	5.6
OPEN REDUCTION OF HIP FRACTURE.....	25	4.0	6.0	*	4.0	10.9	*	8.0	14.0	*
PROSTATECTOMY.....	166	0.6	0.9	0.8	1.8	2.3	1.3	4.2	3.9	1.6
CHOLECYSTECTOMY.....	80	3.7	2.8	2.0	5.0	5.0	2.4	5.0	6.5	3.3
HYSTERECTOMY.....	34	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 21,044					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SO,%	REL	SE	OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	24.65	28.00	0.36	0.88	0.01	4.06	4.84	0.15	0.84	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.77	0.94	0.07	0.82	0.06					
CONGESTIVE HEART FAILURE.....	1.44	1.65	0.09	0.88	0.05					
PNEUMONIA/INFLUENZA.....	1.28	1.47	0.08	0.87	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.36	0.53	0.05	0.68	0.06					
TRANSIENT CEREBRAL ISCHEMIA.....	0.35	0.41	0.04	0.83	0.09					
STROKE.....	0.63	0.89	0.06	0.70	0.05					
HIP FRACTURE.....	0.61	0.66	0.06	0.92	0.08					
SEPSIS.....	0.20	0.32	0.04	0.62	0.08					
PROCEDURES:										
ANGIOPLASTY.....	0.29	0.25	0.03	1.15	0.16					
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.36	0.04	1.16	0.13					
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.03	0.73	0.12					
CAROTID ENDOARTERECTOMY.....	0.08	0.13	0.02	1.00	0.20					
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.47	0.05	1.16	0.12					
OPEN REDUCTION OF HIP FRACTURE.....	0.19	0.31	0.04	0.59	0.07					
PROSTATECTOMY.....	0.88	0.80	0.06	1.11	0.08					
CHOLECYSTECTOMY.....	0.58	0.47	0.05	1.22	0.12					
HYSTERECTOMY.....	0.19	0.19	0.03	1.03	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

MN-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	34,654	9.6	9.8	0.3	13.8	14.7	0.4	17.1	18.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,483	26.2	28.3	1.3	29.9	32.1	1.4	32.5	35.9	1.5
CONGESTIVE HEART FAILURE.....	1,930	17.2	16.1	1.0	25.1	24.9	1.1	31.4	32.1	1.1
PNEUMONIA/INFLUENZA.....	2,591	15.6	17.9	1.0	21.5	24.4	1.2	26.4	29.4	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	495	9.9	7.9	1.8	16.0	13.9	2.0	20.0	19.2	1.9
TRANSIENT CEREBRAL ISCHEMIA.....	493	1.2	2.0	0.9	3.7	4.6	1.2	5.9	7.4	1.9
STROKE.....	1,408	22.5	22.0	1.2	29.2	28.6	1.5	32.9	33.4	1.3
HIP FRACTURE.....	1,053	7.3	6.6	0.9	11.4	11.8	1.0	14.3	15.3	1.4
SEPSIS.....	370	23.2	28.1	2.5	28.9	36.1	3.1	31.4	42.7	3.5
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	158	9.5	4.9	3.4	13.3	8.7	3.8	15.8	12.0	4.0
CAROTID ENDARTERECTOMY.....	7	0.0	1.6	*	14.3	3.2	*	28.6	4.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	772	3.5	3.3	0.9	5.4	6.3	1.4	7.1	8.5	1.7
OPEN REDUCTION OF HIP FRACTURE.....	471	7.2	6.0	2.0	11.5	11.2	2.1	14.6	14.7	1.6
PROSTATECTOMY.....	1,253	1.0	1.0	0.3	2.6	2.3	0.7	3.9	4.0	0.6
CHOLECYSTECTOMY.....	802	2.7	2.8	0.6	4.6	5.1	1.0	5.5	6.6	1.2
HYSTERECTOMY.....	328	0.6	0.7	0.5	1.2	1.4	0.7	1.8	2.1	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 268,531						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.02	28.14	0.10	0.96	0.00		4.48	4.79	0.04	0.94	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.04	0.98	0.02	1.07	0.02						
CONGESTIVE HEART FAILURE.....	1.48	1.66	0.02	0.90	0.01						
PNEUMONIA/INFLUENZA.....	1.52	1.44	0.02	1.05	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.36	0.49	0.01	0.76	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.33	0.41	0.01	0.81	0.03						
STROKE.....	0.89	0.92	0.02	0.96	0.02						
HIP FRACTURE.....	0.63	0.66	0.02	0.97	0.02						
SEPSIS.....	0.26	0.31	0.01	0.81	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.23	0.01	1.09	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.38	0.01	0.97	0.03						
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.01	0.78	0.04						
CAROTID ENDARTERECTOMY.....	0.07	0.12	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.60	0.49	0.01	1.21	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.31	0.01	0.87	0.03						
PROSTATECTOMY.....	0.87	0.88	0.02	0.99	0.02						
CHOLECYSTECTOMY.....	0.48	0.48	0.01	**	**						
HYSTERECTOMY.....	0.20	0.18	0.01	1.14	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

COLUMBIA, MO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,765	7.6	8.9	0.5	12.1	14.2	0.6	15.1	18.3	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	149	22.8	27.0	4.2	24.2	31.2	4.8	26.2	35.1	5.4
CONGESTIVE HEART FAILURE.....	185	16.8	17.6	2.9	26.5	26.7	3.3	31.9	34.2	4.8
PNEUMONIA/INFLUENZA.....	148	18.2	19.4	3.4	27.0	26.4	3.7	30.4	31.8	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	47	8.5	10.8	*	12.8	17.3	*	14.9	22.8	*
TRANSIENT CEREBRAL ISCHEMIA.....	81	2.5	1.7	1.6	3.7	3.8	2.2	6.2	5.9	2.6
STROKE.....	169	17.2	21.7	4.1	21.3	28.5	5.4	24.9	33.2	5.9
HIP FRACTURE.....	117	7.7	8.0	2.5	12.8	14.3	4.8	16.2	18.5	5.2
SEPSIS.....	28	35.7	34.3	*	50.0	46.0	*	60.7	54.9	*
PROCEDURES:										
ANGIOPLASTY.....	157	5.1	4.5	1.8	5.7	5.8	1.9	7.0	7.2	2.2
CORONARY ARTERY BYPASS GRAFT.....	286	3.8	5.5	1.6	5.6	8.4	2.1	8.4	10.2	2.0
INITIAL PACEMAKER INSERTION.....	73	4.1	3.5	2.2	4.1	7.0	3.8	9.6	10.2	3.8
CAROTID ENDARTERECTOMY.....	90	2.2	2.0	1.5	4.4	3.9	2.1	5.6	6.0	2.6
HIP REPLACEMENT/RECONSTRUCTION.....	156	3.8	3.1	1.6	6.4	5.9	2.0	8.3	8.1	2.3
OPEN REDUCTION OF HIP FRACTURE.....	55	7.3	8.0	3.7	12.7	14.7	6.5	16.4	19.1	6.6
PROSTATECTOMY.....	175	1.1	1.3	0.9	2.9	3.1	1.4	4.6	5.1	1.8
CHOLECYSTECTOMY.....	80	5.0	3.7	2.7	6.3	6.7	3.1	8.7	9.0	3.2
HYSTERECTOMY.....	59	0.0	0.9	*	0.0	1.8	*	0.0	2.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 11,078						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.34	27.71	0.50	0.95	0.02		4.50	4.91	0.21	0.92	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.68	0.82	0.09	0.84	0.09						
CONGESTIVE HEART FAILURE.....	1.38	1.64	0.12	0.84	0.06						
PNEUMONIA/INFLUENZA.....	1.30	1.30	0.11	1.03	0.09						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.34	0.47	0.07	0.73	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.37	0.06	1.13	0.19						
STROKE.....	0.79	0.88	0.09	0.90	0.09						
HIP FRACTURE.....	0.60	0.64	0.08	0.88	0.11						
SEPSIS.....	0.30	0.34	0.06	0.88	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.41	0.22	0.05	1.76	0.39						
CORONARY ARTERY BYPASS GRAFT.....	0.49	0.32	0.05	1.48	0.26						
INITIAL PACEMAKER INSERTION.....	0.27	0.17	0.04	1.85	0.47						
CAROTID ENDARTERECTOMY.....	0.25	0.10	0.03	1.00	0.35						
HIP REPLACEMENT/RECONSTRUCTION.....	0.58	0.42	0.06	1.31	0.20						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.31	0.05	0.83	0.15						
PROSTATECTOMY.....	0.61	0.68	0.08	0.87	0.10						
CHOLECYSTECTOMY.....	0.42	0.41	0.06	1.09	0.17						
HYSTERECTOMY.....	0.18	0.17	0.04	1.09	0.28						

** QUANTITIES COULD NOT BE ESTIMATED

JOPLIN, MO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,549	9.1	8.3	0.5	13.4	12.8	0.5	16.8	16.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	213	23.5	25.8	3.6	27.2	29.2	4.2	29.1	32.7	5.0
CONGESTIVE HEART FAILURE.....	288	15.6	14.4	2.3	22.2	22.4	2.6	29.5	29.0	2.8
PNEUMONIA/INFLUENZA.....	313	12.5	15.6	2.7	16.6	21.3	3.5	21.1	25.8	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	103	7.8	6.1	2.7	10.7	10.9	3.1	14.6	15.2	3.6
TRANSIENT CEREBRAL ISCHEMIA.....	95	1.1	2.0	2.0	4.2	4.5	3.7	8.4	7.2	5.4
STROKE.....	228	21.1	19.9	4.0	27.2	26.1	4.4	31.6	30.6	4.6
HIP FRACTURE.....	175	6.3	5.5	1.8	7.4	10.1	2.7	9.7	13.3	3.2
SEPSIS.....	69	30.4	27.6	7.3	40.6	35.8	7.7	42.0	43.0	6.6
PROCEDURES:										
ANGIOPLASTY.....	53	1.9	3.1	2.7	5.7	4.0	3.1	5.7	5.0	3.1
CORONARY ARTERY BYPASS GRAFT.....	127	7.1	4.6	3.3	7.9	6.4	3.3	7.9	7.6	3.6
INITIAL PACEMAKER INSERTION.....	60	3.3	3.0	5.0	10.0	6.3	6.5	15.0	9.4	6.6
CAROTID ENDARTERECTOMY.....	77	2.6	1.5	2.0	2.6	2.8	2.2	3.9	4.1	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	137	5.1	3.0	2.5	5.1	5.7	2.4	5.8	7.7	3.0
OPEN REDUCTION OF HIP FRACTURE.....	35	8.6	5.6	*	8.6	10.7	*	17.1	14.2	*
PROSTATECTOMY.....	204	0.5	1.1	0.9	2.0	2.4	1.1	3.9	4.0	1.4
CHOLECYSTECTOMY.....	126	2.4	3.3	1.7	6.3	5.7	2.9	7.1	7.3	3.6
HYSTERECTOMY.....	83	2.4	0.9	1.8	2.4	1.6	2.1	2.4	2.3	2.5

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,431						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.14	30.36	0.36	1.03	0.01		4.53	4.72	0.14	0.96	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.96	1.04	0.07	0.90	0.06						
CONGESTIVE HEART FAILURE.....	1.77	1.84	0.09	0.95	0.05						
PNEUMONIA/INFLUENZA.....	1.67	1.47	0.08	1.11	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.63	0.61	0.05	1.03	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.47	0.05	0.97	0.10						
STROKE.....	1.00	0.98	0.06	1.01	0.07						
HIP FRACTURE.....	0.72	0.63	0.05	1.12	0.09						
SEPSIS.....	0.35	0.32	0.04	1.06	0.13						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.23	0.03	1.16	0.17						
CORONARY ARTERY BYPASS GRAFT.....	0.50	0.36	0.04	1.34	0.15						
INITIAL PACEMAKER INSERTION.....	0.23	0.20	0.03	1.04	0.16						
CAROTID ENDARTERECTOMY.....	0.18	0.13	0.02	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.48	0.44	0.04	1.11	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.17	0.30	0.04	0.60	0.08						
PROSTATECTOMY.....	0.76	0.77	0.06	1.00	0.08						
CHOLECYSTECTOMY.....	0.58	0.53	0.05	1.08	0.10						
HYSTERECTOMY.....	0.28	0.18	0.03	1.44	0.24						

** QUANTITIES COULD NOT BE ESTIMATED

KANSAS CITY, MO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	43,160	8.4	8.7	0.2	13.5	13.4	0.2	17.2	17.2	0.2
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,184	24.2	26.5	1.6	27.8	29.9	1.7	30.1	33.4	2.0
CONGESTIVE HEART FAILURE.....	1,980	12.3	14.6	1.2	21.0	22.6	1.2	27.2	29.3	1.3
PNEUMONIA/INFLUENZA.....	1,928	15.0	16.2	1.1	22.0	22.2	1.0	26.4	26.8	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	881	7.3	6.9	0.9	12.8	12.5	1.2	18.3	17.4	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	644	1.2	1.8	0.9	2.6	4.0	1.6	5.3	6.4	2.0
STROKE.....	1,429	18.5	20.5	2.0	24.8	27.0	2.3	29.3	31.5	2.3
HIP FRACTURE.....	1,056	6.7	6.6	1.6	12.6	11.9	1.3	16.2	15.5	1.4
SEPSIS.....	471	29.5	28.4	2.3	38.6	36.8	2.7	45.2	43.2	3.0
PROCEDURES:										
ANGIOPLASTY.....	915	3.5	3.4	0.6	4.6	4.4	0.8	5.2	5.5	0.8
CORONARY ARTERY BYPASS GRAFT.....	599	7.8	5.0	1.2	11.2	7.1	1.6	13.2	8.4	1.8
INITIAL PACEMAKER INSERTION.....	320	5.6	3.4	1.5	10.6	6.6	2.3	14.1	9.7	2.7
CAROTID ENDOARTERECTOMY.....	218	0.9	1.5	1.0	1.8	2.8	1.4	4.1	4.2	1.4
HIP REPLACEMENT/RECONSTRUCTION.....	866	3.9	3.3	0.8	7.0	6.2	1.1	9.9	8.4	1.5
OPEN REDUCTION OF HIP FRACTURE.....	474	5.7	6.2	1.2	11.4	11.7	1.6	15.0	15.4	1.9
PROSTATECTOMY.....	1,513	1.1	1.1	0.3	2.9	2.7	0.6	4.6	4.4	0.5
CHOLECYSTECTOMY.....	740	3.6	3.0	0.9	5.8	5.5	0.9	7.3	7.2	1.0
HYSTERECTOMY.....	360	1.1	0.7	0.5	1.4	1.5	0.8	3.1	2.3	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 200,691						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.79	28.41	0.12	1.05	0.00		4.88	4.81	0.05	1.01	0.01
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.76	0.86	0.02	0.89	0.02						
CONGESTIVE HEART FAILURE.....	1.69	1.74	0.03	0.96	0.02						
PNEUMONIA/INFLUENZA.....	1.41	1.19	0.02	1.18	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.76	0.47	0.01	1.61	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.42	0.41	0.01	1.04	0.04						
STROKE.....	0.95	0.96	0.02	0.99	0.02						
HIP FRACTURE.....	0.65	0.62	0.02	1.04	0.03						
SEPSIS.....	0.37	0.36	0.01	0.99	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.47	0.23	0.01	1.96	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.34	0.01	0.95	0.04						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.97	0.05						
CAROTID ENDOARTERECTOMY.....	0.13	0.11	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.41	0.01	1.12	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.31	0.01	0.98	0.04						
PROSTATECTOMY.....	0.84	0.72	0.02	1.16	0.03						
CHOLECYSTECTOMY.....	0.43	0.41	0.01	1.04	0.04						
HYSTERECTOMY.....	0.19	0.17	0.01	1.12	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

ST. JOSEPH, MO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,128	9.2	8.5	0.6	14.6	13.1	0.9	17.7	16.8	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	126	26.2	26.8	4.1	27.8	30.5	4.7	35.7	34.2	4.4
CONGESTIVE HEART FAILURE.....	218	23.4	15.1	4.3	31.7	23.5	4.6	36.7	30.4	4.2
PNEUMONIA/INFLUENZA.....	206	16.0	16.1	4.6	25.7	22.1	5.8	28.6	26.8	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	81	14.8	6.1	4.4	23.5	11.2	6.2	27.2	15.8	6.2
TRANSIENT CEREBRAL ISCHEMIA.....	65	1.5	1.8	1.7	7.7	4.1	4.0	9.2	6.6	3.8
STROKE.....	143	11.9	19.1	4.3	16.1	25.8	5.4	21.0	30.3	5.6
HIP FRACTURE.....	136	9.6	6.4	3.8	17.6	11.7	5.7	20.6	15.4	6.4
SEPSIS.....	29	27.6	27.0	*	41.4	34.3	*	44.8	40.6	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	24	8.3	4.3	*	8.3	8.2	*	8.3	11.8	*
CAROTID ENDARTERECTOMY.....	21	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	112	5.4	3.0	2.3	9.8	6.0	3.9	12.5	8.2	5.3
OPEN REDUCTION OF HIP FRACTURE.....	69	11.6	6.1	6.2	18.8	11.5	7.1	18.8	15.3	6.3
PROSTATECTOMY.....	114	0.0	1.1	1.3	1.8	2.7	2.1	2.6	4.5	3.4
CHOLECYSTECTOMY.....	105	4.8	3.3	2.3	5.7	5.7	2.3	8.6	7.3	2.7
HYSTERECTOMY.....	61	0.0	1.0	1.6	0.0	2.1	2.6	1.6	3.1	2.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 10,933										
	ADMISSION						MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.35	31.29	0.53	0.91	0.01		4.94	5.02	0.21	0.99	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.80	1.03	0.10	0.74	0.07						
CONGESTIVE HEART FAILURE.....	1.84	1.94	0.13	0.95	0.07						
PNEUMONIA/INFLUENZA.....	1.47	1.60	0.12	0.92	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.76	0.64	0.08	1.16	0.14						
TRANSIENT CEREBRAL ISCHEMIA.....	0.38	0.48	0.07	0.80	0.11						
STROKE.....	0.96	1.01	0.10	0.93	0.09						
HIP FRACTURE.....	0.83	0.69	0.08	1.20	0.14						
SEPSIS.....	0.27	0.35	0.06	0.74	0.13						
PROCEDURES:											
ANGIOPLASTY.....	0.48	0.22	0.05	2.20	0.48						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.34	0.06	0.94	0.16						
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.04	0.68	0.16						
CAROTID ENDARTERECTOMY.....	0.18	0.12	0.04	1.00	0.31						
HIP REPLACEMENT/RECONSTRUCTION.....	0.56	0.45	0.06	1.32	0.19						
OPEN REDUCTION OF HIP FRACTURE.....	0.45	0.33	0.05	1.33	0.23						
PROSTATECTOMY.....	0.57	0.73	0.08	0.76	0.09						
CHOLECYSTECTOMY.....	0.44	0.51	0.07	0.86	0.12						
HYSTERECTOMY.....	0.23	0.18	0.04	1.07	0.26						

** QUANTITIES COULD NOT BE ESTIMATED

SPRINGFIELD, MO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	13,742	7.2	8.6	0.3	11.8	13.1	0.4	14.8	16.7	0.4
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	564	22.0	29.2	2.9	26.4	32.3	2.8	30.1	35.8	2.6
CONGESTIVE HEART FAILURE.....	561	11.9	14.7	2.3	21.0	22.7	2.3	26.7	29.5	2.8
PNEUMONIA/INFLUENZA.....	367	16.1	14.8	2.8	22.9	20.4	2.6	27.0	24.9	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	183	4.4	5.9	2.2	9.8	10.6	2.4	13.1	14.8	3.1
TRANSIENT CEREBRAL ISCHEMIA.....	213	0.5	1.8	1.4	3.8	3.9	1.9	4.7	6.2	2.7
STROKE.....	424	16.7	19.9	2.3	22.9	26.1	2.5	24.5	30.6	3.1
HIP FRACTURE.....	386	6.5	6.4	1.6	10.4	11.4	2.5	14.0	14.8	2.2
SEPSIS.....	99	14.1	21.8	6.3	20.2	29.4	7.7	23.2	35.0	9.0
PROCEDURES:										
ANGIOPLASTY.....	387	4.9	5.2	1.4	5.7	6.3	1.4	7.2	7.7	1.4
CORONARY ARTERY BYPASS GRAFT.....	367	5.7	5.5	1.8	10.6	7.8	2.2	11.4	9.3	2.0
INITIAL PACEMAKER INSERTION.....	88	3.4	3.2	2.5	6.8	6.0	4.7	11.4	8.8	5.4
CAROTID ENDARTERECTOMY.....	110	0.0	1.8	2.0	0.0	3.5	3.1	0.9	5.2	3.3
HIP REPLACEMENT/RECONSTRUCTION.....	269	4.5	3.4	1.4	6.3	6.3	1.6	8.6	8.6	1.7
OPEN REDUCTION OF HIP FRACTURE.....	173	6.4	5.9	2.2	9.8	10.9	3.3	12.7	14.3	3.6
PROSTATECTOMY.....	586	1.0	1.3	0.5	2.4	2.9	0.8	4.4	4.8	1.1
CHOLECYSTECTOMY.....	297	4.7	3.7	2.4	6.1	6.5	2.5	7.1	8.6	2.3
HYSTERECTOMY.....	117	0.0	0.9	1.2	1.7	1.9	1.6	1.7	2.8	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 34,889					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.43	29.09	0.29	0.94	0.01	4.57	4.76	0.12	0.96	0.02
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.96	0.05	0.95	0.05					
CONGESTIVE HEART FAILURE.....	1.56	1.76	0.07	0.88	0.04					
PNEUMONIA/INFLUENZA.....	0.94	1.40	0.06	0.67	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.56	0.04	0.80	0.06					
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.45	0.04	0.84	0.07					
STROKE.....	0.81	0.94	0.05	0.87	0.05					
HIP FRACTURE.....	0.77	0.65	0.04	1.20	0.08					
SEPSIS.....	0.27	0.32	0.03	0.84	0.08					
PROCEDURES:										
ANGIOPLASTY.....	0.51	0.22	0.03	2.20	0.26					
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.34	0.03	1.17	0.11					
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.02	0.79	0.10					
CAROTID ENDARTERECTOMY.....	0.11	0.12	0.02	1.00	0.17					
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.45	0.04	0.95	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.31	0.03	1.11	0.11					
PROSTATECTOMY.....	0.84	0.73	0.05	1.14	0.07					
CHOLECYSTECTOMY.....	0.51	0.48	0.04	1.06	0.08					
HYSTERECTOMY.....	0.20	0.18	0.02	1.06	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

MD-(NDNMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		3D DAYS			9D DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	42,48D	10.8	1D.1	0.2	15.5	15.0	D.3	19.D	18.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,487	29.2	28.1	1.8	33.7	31.6	1.9	36.4	35.3	1.6
CONGESTIVE HEART FAILURE.....	2,422	17.5	15.4	1.1	26.D	23.7	1.1	31.5	3D.6	1.D
PNEUMONIA/INFLUENZA.....	3,386	14.5	16.3	1.1	2D.6	22.3	1.2	25.1	27.D	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	998	6.8	7.3	1.1	11.2	12.8	1.5	14.3	17.6	1.9
TRANSIENT CEREBRAL ISCHEMIA.....	712	1.7	1.9	D.6	3.9	4.3	D.9	5.3	6.9	1.7
STROKE.....	2,D21	22.6	20.2	1.1	28.D	26.8	1.0	31.9	31.4	1.1
HIP FRACTURE.....	1,19D	6.2	6.1	1.D	11.4	11.D	1.2	15.5	14.5	1.8
SEPSIS.....	443	29.6	29.D	4.0	38.1	36.4	3.1	41.8	42.7	2.8
PROCEDURES:										
ANGIOPLASTY.....	168	5.4	3.D	2.0	8.3	4.0	2.6	1D.1	5.1	3.1
CORONARY ARTERY BYPASS GRAFT.....	1D8	7.4	5.1	3.3	1D.2	7.5	4.4	13.D	9.1	5.9
INITIAL PACEMAKER INSERTION.....	269	5.2	4.D	1.7	1D.4	7.6	3.1	13.8	11.D	4.2
CARDIAC ENDARTERECTOMY.....	85	3.5	1.6	1.9	3.5	3.1	2.4	3.5	4.6	3.3
HIP REPLACEMENT/RECONSTRUCTION.....	667	4.3	4.0	1.D	8.1	7.5	1.4	10.6	1D.D	1.6
OPEN REDUCTION OF HIP FRACTURE.....	590	6.3	5.7	1.6	11.D	10.7	1.5	14.9	14.2	1.5
PROSTATECTOMY.....	1,137	1.2	1.3	0.5	2.6	3.0	0.9	4.4	5.0	1.2
CHOLECYSTECTOMY.....	89D	3.9	2.8	1.3	5.7	5.1	D.9	6.7	6.7	1.0
HYSTERECTOMY.....	266	1.1	1.1	D.7	1.9	2.1	1.2	2.3	3.1	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 334,141						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.9D	3D.55	D.1D	0.95	D.0D		4.84	4.82	D.04	1.01	0.D1
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.D2	1.D4	0.02	D.98	0.D2						
CONGESTIVE HEART FAILURE.....	1.67	1.83	0.02	0.92	D.D1						
PNEUMONIA/INFLUENZA.....	1.69	1.59	D.D2	1.D6	D.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	D.69	D.61	D.D1	1.14	D.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.46	D.01	D.92	0.D3						
STROKE.....	1.D6	D.98	0.02	1.D9	0.D2						
HIP FRACTURE.....	0.64	D.64	D.D1	**	**						
SEPSIS.....	D.27	0.33	D.D1	0.81	0.D3						
PROCEDURES:											
ANGIOPLASTY.....	D.38	0.23	D.01	1.62	D.D7						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.36	D.01	1.17	0.D4						
INITIAL PACEMAKER INSERTION.....	D.2D	D.19	D.01	1.D7	0.D5						
CARDIAC ENDARTERECTOMY.....	0.14	D.12	0.D1	1.D0	D.06						
HIP REPLACEMENT/RECONSTRUCTION.....	D.46	0.46	D.01	0.99	0.D3						
OPEN REDUCTION OF HIP FRACTURE.....	D.31	D.3D	0.01	0.98	0.03						
PROSTATECTOMY.....	0.76	0.81	D.02	0.94	0.02						
CHOLECYSTECTOMY.....	0.49	0.53	0.01	0.95	D.02						
HYSTERECTOMY.....	D.18	0.18	0.01	0.94	D.D5						

** QUANTITIES COULD NOT BE ESTIMATED

8ILOXI-GULFPORT, MS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,712	7.2	7.4	0.5	11.6	11.7	0.6	14.6	15.1	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	145	35.2	25.1	4.9	42.8	28.4	5.7	44.8	31.7	5.6
CONGESTIVE HEART FAILURE.....	283	19.1	15.5	3.7	28.3	24.5	4.4	34.6	31.7	3.5
PNEUMONIA/INFLUENZA.....	220	9.5	15.3	3.5	15.5	21.0	4.3	19.5	25.5	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	63	4.8	5.1	3.7	4.8	9.5	5.9	7.9	13.6	8.0
TRANSIENT CEREBRAL ISCHEMIA.....	104	0.0	1.6	2.1	3.8	3.6	1.9	5.8	5.7	2.3
STROKE.....	145	16.6	18.4	3.4	19.3	24.9	4.7	22.8	29.2	5.3
HIP FRACTURE.....	82	2.4	6.5	4.5	7.3	11.5	6.0	11.0	14.7	5.3
SEPSIS.....	46	21.7	26.4	*	28.3	35.8	*	28.3	42.3	*
PROCEDURES:										
ANGIOPLASTY.....	9	0.0	2.9	*	0.0	3.9	*	0.0	5.1	*
CORONARY ARTERY BYPASS GRAFT.....	27	3.7	4.1	*	3.7	5.8	*	7.4	6.9	*
INITIAL PACEMAKER INSERTION.....	39	7.7	3.3	*	7.7	7.0	*	10.3	10.4	*
CAROTID ENDARTERECTOMY.....	49	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	56	3.6	3.5	2.5	3.6	6.2	3.8	5.4	8.0	4.6
OPEN REDUCTION OF HIP FRACTURE.....	44	0.0	5.5	*	4.5	10.2	*	9.1	13.4	*
PROSTATECTOMY.....	132	0.8	1.1	1.0	3.0	2.7	1.5	3.8	4.5	2.1
CHOLECYSTECTOMY.....	91	3.3	2.9	2.1	6.6	5.3	3.1	7.7	7.0	2.7
HYSTERECTOMY.....	33	3.0	1.6	*	6.1	3.2	*	9.1	4.5	*

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 25,074					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	41.27	30.05	0.35	1.37	0.02	4.83	4.50	0.13	1.07	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.92	0.06	0.98	0.06					
CONGESTIVE HEART FAILURE.....	2.57	1.85	0.09	1.39	0.06					
PNEUMONIA/INFLUENZA.....	1.61	1.31	0.07	1.24	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.58	0.62	0.05	0.95	0.08					
TRANSIENT CEREBRAL ISCHEMIA.....	0.63	0.45	0.04	1.39	0.13					
STROKE.....	0.94	0.99	0.06	0.95	0.06					
HIP FRACTURE.....	0.46	0.51	0.04	0.91	0.08					
SEPSIS.....	0.35	0.37	0.04	0.97	0.10					
PROCEDURES:										
ANGIOPLASTY.....	0.17	0.26	0.03	0.75	0.09					
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.37	0.04	0.87	0.09					
INITIAL PACEMAKER INSERTION.....	0.26	0.18	0.03	1.63	0.26					
CAROTID ENDARTERECTOMY.....	0.37	0.13	0.02	1.00	0.19					
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.36	0.04	1.08	0.12					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.25	0.03	0.94	0.12					
PROSTATECTOMY.....	0.79	0.76	0.05	1.03	0.08					
CHOLECYSTECTOMY.....	0.53	0.48	0.04	1.18	0.11					
HYSTERECTOMY.....	0.12	0.16	0.03	0.96	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

JACKSON, MS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	15,673	8.0	7.8	0.4	12.2	12.3	0.3	15.4	16.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	382	28.8	27.8	2.4	31.2	31.2	2.5	34.0	34.9	2.5
CONGESTIVE HEART FAILURE.....	533	16.9	13.8	2.6	25.0	21.6	2.5	30.0	28.1	2.3
PNEUMONIA/INFLUENZA.....	419	14.1	16.5	2.2	19.6	22.6	3.0	22.4	27.4	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	195	7.2	7.4	2.4	11.8	13.2	4.0	17.4	18.0	5.1
TRANSIENT CEREBRAL ISCHEMIA.....	283	0.7	1.7	1.1	2.5	3.7	1.9	3.5	5.9	2.6
STROKE.....	496	20.6	20.1	1.8	27.4	26.4	2.3	30.6	30.8	2.1
HIP FRACTURE.....	325	7.1	6.8	1.4	10.8	12.1	2.1	15.4	15.6	2.0
SEPSIS.....	123	39.8	29.9	6.2	48.0	39.1	5.8	52.8	46.1	5.7
PROCEDURES:										
ANGIOPLASTY.....	96	2.1	3.4	2.4	3.1	4.5	3.1	3.1	5.7	3.9
CORONARY ARTERY BYPASS GRAFT.....	286	8.0	3.7	1.7	10.1	5.5	1.9	11.2	6.9	2.0
INITIAL PACEMAKER INSERTION.....	100	2.0	4.1	3.3	5.0	7.2	3.9	9.0	10.0	3.3
CAROTID ENDARTERECTOMY.....	143	0.0	1.5	1.8	1.4	2.8	1.9	2.8	4.3	2.1
HIP REPLACEMENT/RECONSTRUCTION.....	184	6.0	4.2	1.9	8.7	7.6	2.3	10.3	10.0	2.2
OPEN REDUCTION OF HIP FRACTURE.....	145	4.1	6.0	3.2	8.3	11.4	4.7	12.4	15.1	4.3
PROSTATECTOMY.....	422	0.2	1.2	0.9	2.6	2.9	1.6	3.3	4.9	2.1
CHOLECYSTECTOMY.....	328	2.7	2.9	1.2	4.6	5.1	1.8	5.5	6.7	2.2
HYSTERECTOMY.....	139	0.0	0.7	1.0	2.2	1.5	1.2	2.2	2.3	1.6

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 47,484						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.51	31.02	0.26	1.05	0.01		4.80	5.10	0.10	0.94	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.82	0.78	0.04	1.05	0.05						
CONGESTIVE HEART FAILURE.....	1.66	1.98	0.06	0.84	0.03						
PNEUMONIA/INFLUENZA.....	1.18	1.23	0.05	0.96	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.49	0.03	1.10	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.52	0.42	0.03	1.24	0.09						
STROKE.....	1.06	1.08	0.05	0.98	0.04						
HIP FRACTURE.....	0.59	0.53	0.03	1.12	0.07						
SEPSIS.....	0.37	0.46	0.03	0.81	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.14	0.21	0.02	0.65	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.29	0.02	1.04	0.09						
INITIAL PACEMAKER INSERTION.....	0.16	0.18	0.02	0.91	0.10						
CAROTID ENDARTERECTOMY.....	0.16	0.11	0.02	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.30	0.33	0.03	0.94	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.26	0.02	0.97	0.09						
PROSTATECTOMY.....	0.64	0.67	0.04	0.96	0.05						
CHOLECYSTECTOMY.....	0.50	0.38	0.03	1.32	0.10						
HYSTERECTOMY.....	0.17	0.15	0.02	1.33	0.17						

** QUANTITIES COULD NOT BE ESTIMATED

PASCAGOULA, MS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,176	6.7	6.8	0.6	12.0	10.8	0.9	15.0	14.0	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	64	34.4	26.0	8.2	39.1	29.2	8.6	40.6	32.6	8.6
CONGESTIVE HEART FAILURE.....	136	15.4	13.0	3.9	27.2	20.6	5.4	35.3	26.9	6.8
PNEUMONIA/INFLUENZA.....	92	9.8	15.9	5.1	20.7	21.6	4.7	26.1	26.1	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	23	4.3	6.8	*	8.7	13.2	*	17.4	18.8	*
TRANSIENT CEREBRAL ISCHEMIA.....	35	2.9	1.7	*	5.7	3.7	*	5.7	5.8	*
STROKE.....	79	12.7	21.1	7.8	21.5	27.6	8.2	24.1	32.0	9.5
HIP FRACTURE.....	42	9.5	7.3	*	14.3	13.0	*	14.3	16.6	*
SEPSIS.....	36	25.0	28.2	*	30.6	36.3	*	33.3	42.4	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	26	0.0	1.9	*	3.8	3.9	*	7.7	5.8	*
CAROTID ENDARTERECTOMY.....	21	0.0	1.3	*	4.8	2.3	*	4.8	3.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	33	6.1	3.7	*	9.1	6.6	*	9.1	8.6	*
OPEN REDUCTION OF HIP FRACTURE.....	20	5.0	6.8	*	10.0	12.8	*	10.0	16.8	*
PROSTATECTOMY.....	75	0.0	1.2	1.6	1.3	3.0	2.3	1.3	5.1	3.8
CHOLECYSTECTOMY.....	65	1.5	2.6	2.9	7.7	4.5	3.9	10.8	6.0	5.7
HYSTERECTOMY.....	18	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 12,169									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	46.44	29.16	0.49	1.59	0.03	4.71	4.41	0.19	1.07	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.89	0.88	0.08	1.00	0.10					
CONGESTIVE HEART FAILURE.....	2.33	1.79	0.12	1.30	0.09					
PNEUMONIA/INFLUENZA.....	1.31	1.19	0.10	1.10	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.52	0.58	0.07	0.85	0.10					
TRANSIENT CEREBRAL ISCHEMIA.....	0.52	0.44	0.06	1.15	0.16					
STROKE.....	1.17	0.96	0.09	1.21	0.11					
HIP FRACTURE.....	0.44	0.49	0.06	0.87	0.11					
SEPSIS.....	0.44	0.37	0.05	1.17	0.18					
PROCEDURES:										
ANGIOPLASTY.....	0.18	0.26	0.05	0.60	0.11					
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.36	0.05	1.12	0.17					
INITIAL PACEMAKER INSERTION.....	0.35	0.18	0.04	1.84	0.41					
CAROTID ENDARTERECTOMY.....	0.35	0.14	0.03	1.00	0.26					
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.35	0.05	0.98	0.15					
OPEN REDUCTION OF HIP FRACTURE.....	0.20	0.24	0.04	0.77	0.15					
PROSTATECTOMY.....	0.81	0.75	0.08	1.05	0.11					
CHOLECYSTECTOMY.....	0.85	0.46	0.06	1.85	0.25					
HYSTERECTOMY.....	0.21	0.16	0.04	1.38	0.33					

** QUANTITIES COULD NOT BE ESTIMATED

MS-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	61,256	8.5	8.6	0.1	13.1	13.3	0.3	16.4	17.1	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,571	31.3	29.0	1.3	35.1	32.5	1.5	37.7	36.2	1.3
CONGESTIVE HEART FAILURE.....	3,364	15.4	14.7	0.7	23.7	23.1	1.2	29.3	29.9	1.0
PNEUMONIA/INFLUENZA.....	3,396	12.3	15.8	0.8	18.1	21.7	0.8	21.9	26.3	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1,143	6.3	6.5	0.9	10.8	11.9	1.2	14.7	16.7	1.8
TRANSIENT CEREBRAL ISCHEMIA.....	1,331	1.6	1.9	0.5	4.1	4.3	0.7	6.1	6.9	1.3
STROKE.....	2,290	25.2	20.9	0.9	32.8	27.6	1.1	37.3	32.2	1.1
HIP FRACTURE.....	1,013	6.2	6.4	0.9	11.0	11.5	1.2	13.7	14.9	1.7
SEPSIS.....	678	30.2	28.6	2.0	38.9	37.3	2.1	44.5	43.8	2.2
PROCEDURES:										
ANGIOPLASTY.....	104	5.8	3.4	2.6	11.5	4.3	4.3	11.5	5.4	4.2
CORONARY ARTERY BYPASS GRAFT.....	187	4.8	5.2	2.0	6.4	7.3	2.8	7.5	8.7	2.7
INITIAL PACEMAKER INSERTION.....	361	2.5	3.7	1.5	5.8	6.9	1.8	8.9	9.8	1.9
CAROTID ENDOARTERECTOMY.....	128	3.1	1.6	2.2	5.5	3.0	2.8	7.0	4.5	3.5
HIP REPLACEMENT/RECONSTRUCTION.....	589	4.9	4.1	1.5	9.2	7.7	1.8	11.7	10.2	2.1
OPEN REDUCTION OF HIP FRACTURE.....	498	5.8	5.9	1.1	10.0	11.1	1.6	12.2	14.6	2.3
PROSTATECTOMY.....	1,389	1.6	1.2	0.4	3.4	2.8	0.6	5.2	4.7	0.6
CHOLECYSTECTOMY.....	914	2.4	2.5	0.5	4.4	4.5	1.0	5.5	6.0	1.0
HYSTERECTOMY.....	295	0.3	0.6	0.6	1.0	1.3	1.1	2.0	1.9	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 290,351					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	41.25	33.28	0.11	1.00	0.00	4.89	5.15	0.04	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.01	0.92	0.02	1.10	0.02					
CONGESTIVE HEART FAILURE.....	2.41	2.09	0.03	1.14	0.01					
PNEUMONIA/INFLUENZA.....	1.98	1.55	0.02	1.28	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.81	0.60	0.01	1.33	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.77	0.48	0.01	1.57	0.04					
STROKE.....	1.34	1.15	0.02	1.16	0.02					
HIP FRACTURE.....	0.56	0.56	0.01	**	**					
SEPSIS.....	0.48	0.44	0.01	1.09	0.03					
PROCEDURES:										
ANGIOPLASTY.....	0.14	0.20	0.01	0.71	0.03					
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.31	0.01	0.95	0.03					
INITIAL PACEMAKER INSERTION.....	0.25	0.18	0.01	1.36	0.07					
CAROTID ENDOARTERECTOMY.....	0.14	0.11	0.01	1.00	0.07					
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.34	0.01	0.98	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.27	0.01	0.96	0.04					
PROSTATECTOMY.....	0.76	0.73	0.02	1.04	0.02					
CHOLECYSTECTOMY.....	0.52	0.46	0.01	1.14	0.03					
HYSTERECTOMY.....	0.16	0.16	0.01	1.07	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

BILLINGS, MT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,039	5.8	7.0	0.4	9.4	11.2	0.6	12.1	14.5	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	104	17.3	27.1	5.9	23.1	29.7	5.5	24.0	32.8	6.0
CONGESTIVE HEART FAILURE.....	178	14.6	14.5	3.1	20.8	22.9	3.9	26.4	29.7	5.9
PNEUMONIA/INFLUENZA.....	133	10.5	16.2	4.4	16.5	22.2	5.3	19.5	26.7	5.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	85	7.1	7.3	3.6	8.2	13.4	4.9	10.6	18.8	6.3
TRANSIENT CEREBRAL ISCHEMIA.....	55	1.8	2.2	*	1.8	4.9	*	1.8	7.8	*
STROKE.....	124	17.7	19.9	4.0	21.8	26.3	5.4	24.2	30.8	6.5
HIP FRACTURE.....	122	9.8	5.8	3.9	14.8	10.5	4.4	18.9	13.7	5.3
SEPSIS.....	25	24.0	25.3	*	28.0	33.6	*	36.0	40.4	*
PROCEDURES:										
ANGIOPLASTY.....	100	4.0	3.4	1.9	5.0	4.3	2.1	5.0	5.3	2.3
CORONARY ARTERY BYPASS GRAFT.....	159	1.9	6.2	2.5	3.1	8.8	3.2	3.8	10.5	3.7
INITIAL PACEMAKER INSERTION.....	49	2.0	3.4	*	4.1	6.3	*	8.2	8.9	*
CAROTID ENDARTERECTOMY.....	63	1.6	1.5	2.5	4.8	2.8	4.8	7.9	4.1	6.5
HIP REPLACEMENT/RECONSTRUCTION.....	145	0.7	1.9	1.8	4.1	3.3	1.7	4.8	4.3	2.3
OPEN REDUCTION OF HIP FRACTURE.....	58	10.3	5.6	3.8	17.2	10.6	5.6	25.9	14.1	7.8
PROSTATECTOMY.....	170	1.2	0.7	0.8	2.4	1.8	1.2	2.9	3.0	1.6
CHOLECYSTECTOMY.....	108	2.8	2.4	2.7	7.4	4.5	3.6	7.4	6.1	4.1
HYSTERECTOMY.....	29	0.0	0.7	*	0.0	1.7	*	0.0	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 15,675						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.45	26.61	0.41	1.11	0.02		4.14	4.50	0.17	0.91	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.63	0.86	0.07	0.71	0.06						
CONGESTIVE HEART FAILURE.....	1.37	1.52	0.10	0.90	0.06						
PNEUMONIA/INFLUENZA.....	0.94	1.21	0.09	0.78	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.73	0.48	0.06	1.48	0.17						
TRANSIENT CEREBRAL ISCHEMIA.....	0.34	0.39	0.05	0.84	0.11						
STROKE.....	0.91	0.84	0.07	1.04	0.09						
HIP FRACTURE.....	0.66	0.59	0.06	1.14	0.12						
SEPSIS.....	0.17	0.30	0.04	0.56	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.35	0.25	0.04	1.38	0.23						
CORONARY ARTERY BYPASS GRAFT.....	0.57	0.36	0.05	1.54	0.21						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.03	1.17	0.23						
CAROTID ENDARTERECTOMY.....	0.23	0.13	0.03	1.00	0.24						
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.43	0.05	1.24	0.16						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.28	0.04	1.19	0.19						
PROSTATECTOMY.....	0.61	0.76	0.07	0.81	0.08						
CHOLECYSTECTOMY.....	0.52	0.43	0.05	1.17	0.15						
HYSTERECTOMY.....	0.15	0.18	0.03	0.93	0.19						

** QUANTITIES COULD NOT BE ESTIMATED

GREAT FALLS, MT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,536	7.0	7.6	0.5	10.6	12.0	0.7	13.8	15.5	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	98	24.5	25.9	4.6	29.6	29.2	4.7	31.6	32.7	5.1
CONGESTIVE HEART FAILURE.....	116	12.1	13.0	5.9	15.5	20.6	6.7	25.0	27.2	5.5
PNEUMONIA/INFLUENZA.....	104	13.5	15.0	4.4	18.3	20.6	4.5	26.0	25.1	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	70	7.1	7.6	4.4	8.6	13.4	6.9	14.3	18.4	8.2
TRANSIENT CEREBRAL ISCHEMIA.....	42	0.0	1.6	*	0.0	3.6	*	0.0	5.6	*
STROKE.....	111	18.9	20.2	4.0	28.8	27.4	4.7	31.5	32.1	4.5
HIP FRACTURE.....	72	11.1	6.3	4.6	16.7	11.5	6.1	19.4	15.1	5.4
SEPSIS.....	32	15.6	20.0	*	15.6	27.3	*	25.0	32.8	*
PROCEDURES:										
ANGIOPLASTY.....	48	4.2	3.6	*	6.3	4.5	*	8.3	5.7	*
CORONARY ARTERY BYPASS GRAFT.....	48	14.6	6.5	*	14.6	9.0	*	14.6	10.6	*
INITIAL PACEMAKER INSERTION.....	15	6.7	2.3	*	6.7	5.1	*	6.7	7.9	*
CAROTID ENDOARTERECTOMY.....	12	8.3	1.6	*	8.3	3.1	*	8.3	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	66	4.5	2.1	2.6	9.1	4.1	4.9	10.6	5.6	6.4
OPEN REDUCTION OF HIP FRACTURE.....	20	25.0	5.5	*	30.0	10.8	*	35.0	14.7	*
PROSTATECTOMY.....	125	0.8	1.1	1.0	1.6	2.6	1.7	1.6	4.4	3.0
CHOLECYSTECTOMY.....	69	1.4	2.7	2.1	1.4	5.0	3.3	1.4	6.6	4.3
HYSTERECTOMY.....	25	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 11,388						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.74	27.33	0.49	1.31	0.02		4.61	4.59	0.20	1.00	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.90	0.09	0.79	0.08						
CONGESTIVE HEART FAILURE.....	1.48	1.57	0.12	0.95	0.07						
PNEUMONIA/INFLUENZA.....	1.15	1.31	0.11	0.89	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.94	0.53	0.07	1.83	0.24						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.40	0.06	0.78	0.12						
STROKE.....	1.14	0.86	0.09	1.33	0.14						
HIP FRACTURE.....	0.54	0.59	0.07	0.88	0.11						
SEPSIS.....	0.45	0.31	0.05	1.53	0.27						
PROCEDURES:											
ANGIOPLASTY.....	0.36	0.26	0.05	1.23	0.24						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.37	0.06	1.06	0.17						
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.04	0.65	0.15						
CAROTID ENDOARTERECTOMY.....	0.07	0.13	0.04	1.00	0.29						
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.44	0.06	1.22	0.18						
OPEN REDUCTION OF HIP FRACTURE.....	0.14	0.28	0.05	0.41	0.08						
PROSTATECTOMY.....	0.85	0.78	0.08	1.07	0.12						
CHOLECYSTECTOMY.....	0.50	0.46	0.06	1.18	0.17						
HYSTERECTOMY.....	0.21	0.18	0.04	1.20	0.29						

** QUANTITIES COULD NOT BE ESTIMATED

MT-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	15,758	7.7	8.2	0.2	12.0	12.7	0.4	14.9	16.2	0.3
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	434	26.3	27.3	2.2	29.5	30.5	2.6	31.6	34.0	2.7
CONGESTIVE HEART FAILURE.....	678	10.8	14.5	2.2	19.9	22.6	2.6	25.2	29.4	2.7
PNEUMONIA/INFLUENZA.....	844	10.5	15.3	1.8	16.9	21.2	2.1	21.1	25.8	2.1
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	351	10.0	7.9	1.8	18.5	13.9	2.8	24.8	19.1	3.5
TRANSIENT CEREBRAL ISCHEMIA.....	199	2.0	2.1	1.7	4.0	4.8	2.9	5.5	7.8	3.8
STROKE.....	480	20.4	20.1	1.8	24.2	26.6	2.2	26.7	31.1	2.5
HIP FRACTURE.....	376	8.0	6.0	1.5	10.1	10.8	1.7	13.3	14.1	1.8
SEPSIS.....	141	22.7	28.1	4.5	29.1	36.1	5.7	32.6	42.6	6.2
PROCEOURES:										
ANGIOPLASTY.....	183	2.2	3.1	1.7	3.3	4.2	2.0	4.4	5.4	2.3
CORONARY ARTERY BYPASS GRAFT.....	51	15.7	4.7	5.3	15.7	6.6	5.1	15.7	8.1	5.3
INITIAL PACEMAKER INSERTION.....	67	1.5	2.7	2.4	6.0	5.4	3.1	9.0	8.0	3.5
CAROTIO ENOARTERECTOMY.....	35	0.0	1.5	*	0.0	2.9	*	2.9	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	319	3.1	2.7	1.0	4.1	5.1	1.3	5.3	6.9	1.7
OPEN REDUCTION OF HIP FRACTURE.....	152	5.9	5.8	2.1	6.6	10.7	3.4	9.2	14.1	4.1
PROSTATECTOMY.....	458	0.9	0.9	0.4	2.4	2.1	0.7	3.9	3.6	0.9
CHOLECYSTECTOMY.....	265	4.2	2.9	1.6	6.4	5.2	1.7	7.9	6.8	1.8
HYSTERECTOMY.....	110	1.8	0.7	1.3	2.7	1.4	2.0	3.6	2.1	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 93,498						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.07	27.71	0.17	1.16	0.01		4.29	4.55	0.07	0.94	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.94	0.03	0.99	0.04						
CONGESTIVE HEART FAILURE.....	1.46	1.59	0.04	0.92	0.02						
PNEUMONIA/INFLUENZA.....	1.49	1.36	0.04	1.10	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.74	0.53	0.02	1.35	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.41	0.02	0.84	0.05						
STROKE.....	0.86	0.87	0.03	0.97	0.04						
HIP FRACTURE.....	0.60	0.58	0.02	1.02	0.05						
SEPSIS.....	0.28	0.30	0.02	0.94	0.06						
PROCEOURES:											
ANGIOPLASTY.....	0.48	0.25	0.02	1.95	0.15						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.38	0.02	1.01	0.06						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.01	0.81	0.08						
CAROTIO ENOARTERECTOMY.....	0.10	0.13	0.01	1.00	0.12						
HIP REPLACEMENT/RECONSTRUCTION.....	0.61	0.45	0.02	1.36	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.28	0.02	0.83	0.06						
PROSTATECTOMY.....	0.87	0.85	0.03	1.01	0.04						
CHOLECYSTECTOMY.....	0.47	0.48	0.02	1.00	0.05						
HYSTERECTOMY.....	0.17	0.17	0.01	0.93	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

ASHEVILLE, NC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,163	8.2	7.9	0.3	12.5	12.2	0.4	16.0	15.5	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	266	22.9	23.8	2.7	26.7	27.1	2.8	32.0	30.5	3.0
CONGESTIVE HEART FAILURE.....	264	16.3	13.9	2.3	25.4	21.4	2.8	34.8	27.8	4.0
PNEUMONIA/INFLUENZA.....	204	16.2	16.0	2.7	21.1	21.7	3.0	24.5	26.2	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	62	8.1	5.8	3.5	11.3	10.4	5.2	17.7	14.7	6.1
TRANSIENT CEREBRAL ISCHEMIA.....	65	3.1	1.8	2.0	4.6	4.0	2.6	6.2	6.4	3.1
STROKE.....	264	22.7	22.0	2.7	26.1	28.7	3.0	30.7	33.2	3.3
HIP FRACTURE.....	220	6.4	6.8	1.9	11.4	11.8	2.4	15.0	15.1	2.4
SEPSIS.....	66	19.7	23.7	6.7	33.3	31.6	6.7	37.9	37.5	7.5
PROCEDURES:										
ANGIOPLASTY.....	64	3.1	3.9	3.9	4.7	5.1	3.6	6.3	6.3	3.1
CORONARY ARTERY BYPASS GRAFT.....	161	8.7	5.0	2.4	9.9	7.2	2.4	9.9	8.6	2.9
INITIAL PACEMAKER INSERTION.....	42	4.8	4.2	*	4.8	7.5	*	7.1	10.5	*
CAROTID ENDOARTERECTOMY.....	71	0.0	1.5	2.1	1.4	2.8	2.4	2.8	4.0	2.6
HIP REPLACEMENT/RECONSTRUCTION.....	227	2.6	3.0	1.2	4.4	5.4	1.8	6.2	7.1	2.3
OPEN REDUCTION OF HIP FRACTURE.....	89	5.6	6.0	2.5	11.2	11.0	3.4	16.9	14.3	4.8
PROSTATECTOMY.....	303	1.7	1.0	0.9	2.0	2.3	1.0	2.6	3.8	1.9
CHOLECYSTECTOMY.....	187	4.3	3.0	1.6	7.5	5.3	2.0	10.2	6.8	2.6
HYSTERECTOMY.....	68	1.5	0.6	1.2	1.5	1.3	1.4	1.5	2.0	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 31,089						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.07	29.78	0.31	0.74	0.01		4.59	4.72	0.12	0.97	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.82	0.96	0.06	0.85	0.05						
CONGESTIVE HEART FAILURE.....	1.16	1.82	0.08	0.63	0.03						
PNEUMONIA/INFLUENZA.....	0.76	1.35	0.07	0.58	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.25	0.56	0.04	0.43	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.24	0.45	0.04	0.55	0.05						
STROKE.....	0.86	0.99	0.06	0.87	0.05						
HIP FRACTURE.....	0.67	0.60	0.04	1.11	0.08						
SEPSIS.....	0.28	0.35	0.03	0.78	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.15	0.23	0.03	0.77	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.35	0.03	1.01	0.10						
INITIAL PACEMAKER INSERTION.....	0.12	0.20	0.03	0.65	0.09						
CAROTID ENDOARTERECTOMY.....	0.09	0.13	0.02	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.41	0.04	1.28	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.29	0.03	0.87	0.09						
PROSTATECTOMY.....	0.73	0.75	0.05	0.97	0.06						
CHOLECYSTECTOMY.....	0.53	0.48	0.04	1.14	0.10						
HYSTERECTOMY.....	0.18	0.18	0.02	1.02	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

BURLINGTON, NC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,232	12.5	11.2	0.9	17.5	15.8	1.1	20.8	19.5	1.1
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	131	32.8	30.8	4.2	38.2	34.2	4.8	44.3	37.9	6.0
CONGESTIVE HEART FAILURE.....	134	17.2	14.0	3.8	23.9	21.5	3.9	27.6	27.9	4.0
PNEUMONIA/INFLUENZA.....	120	17.5	15.4	4.5	25.0	20.8	7.5	28.3	25.0	6.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	18	5.6	4.1	*	5.6	8.1	*	11.1	12.0	*
TRANSIENT CEREBRAL ISCHEMIA.....	17	0.0	1.7	*	0.0	3.6	*	11.8	5.7	*
STROKE.....	105	39.0	20.0	5.8	46.7	26.1	6.4	47.6	30.6	6.1
HIP FRACTURE.....	95	6.3	6.2	2.7	12.6	10.9	4.3	16.8	14.1	5.2
SEPSIS.....	65	21.5	23.4	6.8	29.2	30.3	6.7	32.3	36.0	8.6
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	24	8.3	6.3	*	16.7	10.4	*	25.0	13.9	*
CAROTID ENDOARTERECTOMY.....	9	0.0	1.4	*	0.0	2.8	*	0.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	49	0.0	3.3	*	2.0	6.1	*	6.1	8.3	*
OPEN REDUCTION OF HIP FRACTURE.....	52	9.6	6.0	5.2	15.4	10.9	8.1	19.2	14.2	8.3
PROSTATECTOMY.....	79	1.3	1.2	1.2	1.3	2.6	2.1	1.3	4.3	3.3
CHOLECYSTECTOMY.....	76	1.3	1.8	1.8	2.6	3.1	2.2	3.9	4.1	2.3
HYSTERECTOMY.....	20	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 18,592						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.72	28.37	0.39	0.80	0.01		4.57	4.25	0.15	1.08	0.04
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.23	0.86	0.07	1.43	0.11						
CONGESTIVE HEART FAILURE.....	1.25	1.77	0.10	0.71	0.04						
PNEUMONIA/INFLUENZA.....	0.89	1.14	0.08	0.79	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.27	0.52	0.05	0.50	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.19	0.51	0.05	0.37	0.04						
STROKE.....	0.88	0.97	0.07	0.90	0.07						
HIP FRACTURE.....	0.62	0.51	0.05	1.20	0.13						
SEPSIS.....	0.47	0.34	0.04	1.34	0.17						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.22	0.03	1.19	0.19						
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.33	0.04	1.20	0.16						
INITIAL PACEMAKER INSERTION.....	0.23	0.18	0.03	1.32	0.24						
CAROTID ENDOARTERECTOMY.....	0.12	0.13	0.03	1.00	0.21						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.36	0.04	1.07	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.26	0.04	1.13	0.17						
PROSTATECTOMY.....	0.57	0.68	0.06	0.86	0.08						
CHOLECYSTECTOMY.....	0.47	0.43	0.05	1.11	0.13						
HYSTERECTOMY.....	0.17	0.15	0.03	1.27	0.26						

** QUANTITIES COULD NOT BE ESTIMATED

CHARLOTTE-GASTONIA-ROCK HILL, NC-SC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	25,456	9.4	8.9	0.2	14.6	13.4	0.4	18.0	16.9	0.3
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,111	25.0	26.3	1.8	28.5	29.6	1.7	31.2	33.0	1.9
CONGESTIVE HEART FAILURE.....	1,261	15.2	13.8	1.8	25.4	21.5	1.8	31.8	28.0	2.0
PNEUMONIA/INFLUENZA.....	1,098	18.3	15.4	1.5	24.6	21.1	1.9	29.9	25.6	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	241	9.5	6.0	2.8	14.9	10.8	3.0	19.1	15.2	3.7
TRANSIENT CEREBRAL ISCHEMIA.....	241	2.5	1.6	1.4	5.0	3.5	1.8	6.2	5.5	1.6
STROKE.....	1,217	19.4	19.2	1.7	26.4	25.4	1.8	30.3	29.6	1.8
HIP FRACTURE.....	752	5.1	5.9	1.6	10.1	10.5	1.5	13.7	13.7	1.3
SEPSIS.....	294	27.6	25.0	3.3	36.7	32.6	4.6	41.2	38.6	4.9
PROCEDURES:										
ANGIOPLASTY.....	238	4.2	4.1	1.8	4.6	5.0	1.7	5.9	6.1	1.6
CORONARY ARTERY BYPASS GRAFT.....	525	4.4	5.0	1.1	5.1	6.9	1.5	6.7	8.2	1.6
INITIAL PACEMAKER INSERTION.....	274	4.0	3.5	1.4	7.7	6.5	2.2	9.5	9.3	1.8
CAROTID ENDARTERECTOMY.....	112	0.0	1.4	1.7	1.8	2.6	1.7	1.8	3.9	2.5
HIP REPLACEMENT/RECONSTRUCTION.....	515	2.9	3.1	1.0	5.8	5.8	1.0	9.3	7.9	1.4
OPEN REDUCTION OF HIP FRACTURE.....	334	5.7	5.5	1.3	11.4	10.1	2.5	15.0	13.2	3.2
PROSTATECTOMY.....	832	1.0	1.0	0.4	2.3	2.4	0.5	4.1	4.0	0.8
CHOLECYSTECTOMY.....	638	2.7	2.8	0.7	5.5	4.9	1.0	6.6	6.4	1.0
HYSTERECTOMY.....	282	0.7	0.6	0.6	1.4	1.3	0.7	2.5	1.9	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 142,988						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.42	30.40	0.15	0.80	0.00		4.67	4.57	0.06	1.02	0.01
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.93	0.03	1.06	0.03						
CONGESTIVE HEART FAILURE.....	1.46	1.91	0.04	0.77	0.01						
PNEUMONIA/INFLUENZA.....	1.05	1.20	0.03	0.88	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.29	0.56	0.02	0.53	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.46	0.02	0.47	0.02						
STROKE.....	1.07	1.04	0.03	1.03	0.03						
HIP FRACTURE.....	0.62	0.54	0.02	1.15	0.04						
SEPSIS.....	0.31	0.38	0.02	0.82	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.23	0.01	0.86	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.35	0.02	0.97	0.04						
INITIAL PACEMAKER INSERTION.....	0.22	0.20	0.01	1.12	0.07						
CAROTID ENDARTERECTOMY.....	0.09	0.13	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.35	0.02	1.13	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.28	0.01	1.01	0.05						
PROSTATECTOMY.....	0.65	0.71	0.02	0.91	0.03						
CHOLECYSTECTOMY.....	0.52	0.47	0.02	1.11	0.04						
HYSTERECTOMY.....	0.20	0.16	0.01	1.26	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

FAYETTEVILLE, NC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,405	10.4	8.6	0.7	15.3	13.0	0.8	19.0	16.4	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	115	26.1	26.3	4.1	31.3	29.5	4.4	33.0	33.0	4.4
CONGESTIVE HEART FAILURE.....	182	14.8	12.8	4.1	22.5	19.6	5.7	29.1	25.6	6.5
PNEUMONIA/INFLUENZA.....	155	24.5	16.3	4.2	28.4	22.2	4.3	34.2	26.8	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	24	4.2	9.9	*	16.7	16.0	*	20.8	21.5	*
TRANSIENT CEREBRAL ISCHEMIA.....	44	4.5	2.0	*	4.5	4.4	*	6.8	6.9	*
STROKE.....	157	20.4	18.5	4.4	27.4	25.1	5.6	33.1	29.5	6.9
HIP FRACTURE.....	77	6.5	6.7	3.4	10.4	11.5	4.1	13.0	14.5	4.4
SEPSIS.....	45	33.3	25.9	*	37.8	32.4	*	40.0	37.8	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	22	4.5	5.1	*	4.5	8.3	*	4.5	11.2	*
CAROTID ENDOARTERECTOMY.....	14	7.1	1.5	*	14.3	3.0	*	14.3	4.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	55	3.6	3.8	2.9	3.6	6.7	4.7	5.5	8.6	5.6
OPEN REDUCTION OF HIP FRACTURE.....	39	5.1	5.9	*	10.3	10.5	*	12.8	13.6	*
PROSTATECTOMY.....	158	0.6	0.8	0.8	0.6	2.0	1.9	3.8	3.4	1.5
CHOLECYSTECTOMY.....	67	3.0	2.5	1.9	4.5	4.3	2.5	6.0	5.8	3.0
HYSTERECTOMY.....	32	0.0	0.5	*	3.1	0.9	*	3.1	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 19,780						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.00	31.80	0.40	0.75	0.01		4.70	4.47	0.15	1.05	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.87	0.07	0.96	0.07						
CONGESTIVE HEART FAILURE.....	1.55	2.02	0.10	0.77	0.04						
PNEUMONIA/INFLUENZA.....	1.02	1.22	0.08	0.83	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.23	0.63	0.06	0.42	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.49	0.05	0.51	0.05						
STROKE.....	1.02	1.08	0.07	0.98	0.07						
HIP FRACTURE.....	0.43	0.45	0.05	0.98	0.11						
SEPSIS.....	0.31	0.41	0.05	0.78	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.08	0.21	0.03	0.36	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.24	0.31	0.04	0.74	0.10						
INITIAL PACEMAKER INSERTION.....	0.13	0.18	0.03	0.61	0.11						
CAROTID ENDOARTERECTOMY.....	0.07	0.12	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.31	0.29	0.04	1.11	0.16						
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.23	0.03	0.87	0.14						
PROSTATECTOMY.....	0.68	0.66	0.06	1.06	0.09						
CHOLECYSTECTOMY.....	0.38	0.45	0.05	0.88	0.10						
HYSTERECTOMY.....	0.14	0.15	0.03	0.93	0.19						

** QUANTITIES COULD NOT BE ESTIMATED

GREENSBORO-WINSTON-SALEM-HIGH POINT, NC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	26,373	9.1	9.1	0.2	14.2	13.8	0.4	17.6	17.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	926	25.3	26.0	1.8	28.8	29.3	2.3	31.0	32.6	2.5
CONGESTIVE HEART FAILURE.....	1,271	13.5	14.6	1.2	23.0	22.4	1.2	28.6	29.0	1.5
PNEUMONIA/INFLUENZA.....	939	17.5	16.4	2.7	24.3	22.2	2.6	28.1	26.7	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	322	8.4	5.9	1.6	14.9	10.8	2.5	19.9	15.3	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	357	2.5	1.8	1.0	4.2	4.1	1.2	6.2	6.5	1.4
STROKE.....	1,045	20.9	20.9	1.3	27.8	27.2	1.8	31.3	31.6	1.7
HIP FRACTURE.....	704	4.8	6.6	1.4	8.8	11.7	1.9	12.2	15.0	1.9
SEPSIS.....	334	25.7	27.1	3.3	34.1	35.1	3.0	41.6	41.2	3.3
PROCEDURES:										
ANGIOPLASTY.....	294	6.1	4.5	2.2	6.5	5.5	2.0	7.1	6.6	1.7
CORONARY ARTERY BYPASS GRAFT.....	483	5.4	5.4	1.2	7.5	7.8	1.6	8.3	9.4	2.2
INITIAL PACEMAKER INSERTION.....	219	2.3	3.3	1.7	2.7	6.4	2.6	5.5	9.4	3.2
CAROTID ENDARTERECTOMY.....	121	0.8	1.5	1.6	2.5	2.9	2.2	3.3	4.3	2.3
HIP REPLACEMENT/RECONSTRUCTION.....	566	2.7	3.6	0.9	6.0	6.7	1.2	9.0	8.9	1.2
OPEN REDUCTION OF HIP FRACTURE.....	311	5.1	6.3	2.2	9.3	11.7	3.6	12.5	15.2	3.8
PROSTATECTOMY.....	1,031	1.2	1.2	0.4	2.8	2.8	0.6	4.7	4.6	0.7
CHOLECYSTECTOMY.....	674	2.8	3.0	0.8	5.8	5.2	1.0	8.3	6.8	1.3
HYSTERECTOMY.....	264	0.4	1.0	0.8	2.3	2.1	0.9	3.4	3.1	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 128,732					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SO,%	REL	SE	OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	27.37	29.59	0.15	0.92	0.00	4.68	4.60	0.06	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.90	0.03	1.10	0.03					
CONGESTIVE HEART FAILURE.....	1.60	1.84	0.04	0.87	0.02					
PNEUMONIA/INFLUENZA.....	1.11	1.17	0.03	0.94	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.53	0.02	0.83	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.44	0.02	0.83	0.04					
STROKE.....	1.04	1.01	0.03	1.03	0.03					
HIP FRACTURE.....	0.68	0.55	0.02	1.24	0.05					
SEPSIS.....	0.39	0.36	0.02	1.05	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.26	0.22	0.01	1.15	0.07					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.34	0.02	1.12	0.06					
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.96	0.06					
CAROTID ENDARTERECTOMY.....	0.08	0.12	0.01	1.00	0.09					
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.37	0.02	1.36	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.01	1.08	0.06					
PROSTATECTOMY.....	0.91	0.72	0.02	1.26	0.04					
CHOLECYSTECTOMY.....	0.59	0.45	0.02	1.32	0.06					
HYSTERECTOMY.....	0.18	0.16	0.01	1.15	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

HICKORY, NC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,645	11.3	8.9	0.5	16.2	13.4	0.6	19.3	16.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	222	32.4	25.6	4.5	36.0	28.5	3.8	36.0	31.7	3.5
CONGESTIVE HEART FAILURE.....	251	20.3	13.9	3.3	27.5	21.6	3.5	31.9	28.0	3.2
PNEUMONIA/INFLUENZA.....	344	17.2	15.6	2.9	22.7	21.3	2.5	25.6	25.9	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	64	10.9	6.4	5.6	15.6	11.1	6.8	20.3	15.4	5.9
TRANSIENT CEREBRAL ISCHEMIA.....	76	1.3	1.7	1.5	3.9	3.7	2.2	5.3	5.9	2.8
STROKE.....	211	22.3	18.4	3.2	30.8	24.8	4.1	36.0	29.0	4.8
HIP FRACTURE.....	173	6.4	6.4	2.9	13.9	11.5	4.0	17.9	14.9	6.1
SEPSIS.....	83	22.9	26.9	8.9	28.9	34.9	11.1	33.7	41.1	10.6
PROCEDURES:										
ANGIOPLASTY.....	2	0.0	4.7	*	0.0	5.3	*	0.0	6.0	*
CORONARY ARTERY BYPASS GRAFT.....	3	0.0	2.7	*	0.0	3.9	*	0.0	4.9	*
INITIAL PACEMAKER INSERTION.....	27	14.8	4.1	*	25.9	6.7	*	25.9	8.9	*
CAROTID ENDARTERECTOMY.....	29	0.0	1.2	*	3.4	2.1	*	3.4	3.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	88	5.7	4.2	4.1	9.1	7.7	3.9	10.2	10.0	3.7
OPEN REDUCTION OF HIP FRACTURE.....	100	7.0	5.6	4.7	14.0	10.5	6.5	18.0	13.8	7.3
PROSTATECTOMY.....	236	1.7	0.9	0.9	3.0	1.9	1.2	3.8	3.1	1.5
CHOLECYSTECTOMY.....	147	8.8	3.0	3.5	9.5	5.1	2.9	10.9	6.5	3.0
HYSTERECTOMY.....	47	0.0	0.4	*	2.1	0.8	*	2.1	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 30,914						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.45	30.22	0.31	0.91	0.01		4.77	4.44	0.12	1.08	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.22	0.96	0.06	1.26	0.07						
CONGESTIVE HEART FAILURE.....	1.39	1.82	0.08	0.76	0.03						
PNEUMONIA/INFLUENZA.....	1.39	1.31	0.06	1.06	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.33	0.62	0.05	0.53	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.45	0.04	0.79	0.07						
STROKE.....	0.85	0.97	0.06	0.88	0.05						
HIP FRACTURE.....	0.65	0.54	0.04	1.20	0.09						
SEPSIS.....	0.41	0.33	0.03	1.20	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.23	0.03	0.76	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.35	0.03	0.97	0.10						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.02	0.99	0.14						
CAROTID ENDARTERECTOMY.....	0.13	0.14	0.02	1.00	0.17						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.37	0.03	1.10	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.34	0.27	0.03	1.28	0.15						
PROSTATECTOMY.....	0.87	0.71	0.05	1.21	0.08						
CHOLECYSTECTOMY.....	0.58	0.50	0.04	1.17	0.10						
HYSTERECTOMY.....	0.16	0.17	0.02	1.00	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

JACKSONVILLE, NC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	984	10.6	10.7	1.0	15.4	15.6	1.2	18.4	19.4	1.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	34	41.2	33.3	*	44.1	36.5	*	50.0	39.9	*
CONGESTIVE HEART FAILURE.....	69	7.2	15.3	5.5	11.6	22.8	7.2	14.5	29.4	8.7
PNEUMONIA/INFLUENZA.....	70	21.4	15.7	9.0	28.6	21.4	12.1	32.9	26.0	12.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	6	33.3	12.7	*	50.0	18.6	*	50.0	23.9	*
TRANSIENT CEREBRAL ISCHEMIA.....	15	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
STROKE.....	40	20.0	21.0	*	27.5	27.0	*	37.5	31.6	*
HIP FRACTURE.....	23	21.7	7.1	*	26.1	11.8	*	30.4	14.6	*
SEPSIS.....	11	18.2	34.4	*	36.4	43.9	*	36.4	50.7	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	4	0.0	3.9	*	0.0	7.5	*	0.0	10.9	*
CAROTID ENDARTERECTOMY.....	1	0.0	1.7	*	0.0	2.8	*	0.0	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	12	8.3	5.0	*	16.7	9.1	*	16.7	11.7	*
OPEN REDUCTION OF HIP FRACTURE.....	14	21.4	5.4	*	28.6	9.4	*	35.7	12.0	*
PROSTATECTOMY.....	37	2.7	1.0	*	2.7	2.4	*	2.7	4.1	*
CHOLECYSTECTOMY.....	14	0.0	1.6	*	0.0	2.7	*	0.0	3.4	*
HYSTERECTOMY.....	6	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 7,625						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.67	30.08	0.63	0.95	0.02		4.56	4.14	0.23	1.10	0.06
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.95	0.11	0.93	0.11						
CONGESTIVE HEART FAILURE.....	1.57	1.83	0.16	0.88	0.07						
PNEUMONIA/INFLUENZA.....	1.43	1.25	0.13	1.17	0.12						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.29	0.64	0.10	0.43	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.33	0.54	0.09	0.62	0.10						
STROKE.....	0.88	0.99	0.11	0.90	0.10						
HIP FRACTURE.....	0.49	0.47	0.08	1.16	0.20						
SEPSIS.....	0.45	0.34	0.07	1.31	0.28						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.23	0.06	1.15	0.31						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.36	0.07	1.32	0.27						
INITIAL PACEMAKER INSERTION.....	0.12	0.18	0.05	0.41	0.13						
CAROTID ENDARTERECTOMY.....	0.25	0.14	0.05	1.00	0.36						
HIP REPLACEMENT/RECONSTRUCTION.....	0.30	0.33	0.07	1.08	0.23						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.24	0.06	1.74	0.47						
PROSTATECTOMY.....	0.81	0.72	0.10	1.15	0.16						
CHOLECYSTECTOMY.....	0.33	0.51	0.08	0.71	0.12						
HYSTERECTOMY.....	0.22	0.16	0.05	1.36	0.48						

** QUANTITIES COULD NOT BE ESTIMATED

RALEIGH-DURHAM, NC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		DBS	PRED	SD	DBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	21,348	8.1	8.3	0.3	12.9	12.7	0.5	16.2	16.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	813	23.5	24.5	1.7	28.5	27.8	1.6	31.7	31.0	1.7
CONGESTIVE HEART FAILURE.....	797	13.4	13.4	1.3	21.6	20.7	1.7	28.2	27.0	1.9
PNEUMONIA/INFLUENZA.....	630	13.3	15.3	2.9	19.5	21.1	2.8	24.4	25.6	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	169	11.2	7.9	3.2	22.5	13.6	5.4	26.0	18.4	5.0
TRANSIENT CEREBRAL ISCHEMIA.....	254	0.8	1.7	1.0	2.0	3.7	1.7	5.9	5.8	1.5
STROKE.....	758	17.4	20.5	2.4	24.4	26.8	2.7	28.0	31.1	2.5
HIP FRACTURE.....	460	5.7	7.1	2.1	10.0	12.4	3.2	13.0	15.8	3.8
SEPSIS.....	218	34.9	24.7	4.3	40.4	32.3	5.3	48.2	38.0	5.0
PROCEDURES:										
ANGIOPLASTY.....	478	4.4	3.6	1.0	4.8	4.6	1.0	5.2	5.8	1.1
CORONARY ARTERY BYPASS GRAFT.....	617	3.2	5.3	1.3	5.5	7.6	1.5	6.5	9.1	1.6
INITIAL PACEMAKER INSERTION.....	128	5.5	3.3	2.8	7.8	6.2	2.6	9.4	8.8	2.6
CAROTID ENDARTERECTOMY.....	112	0.9	1.3	1.2	1.8	2.4	1.6	1.8	3.5	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	376	1.9	2.9	1.2	4.0	5.5	1.6	5.9	7.4	2.1
OPEN REDUCTION OF HIP FRACTURE.....	208	4.3	6.6	2.5	7.7	11.9	4.2	11.5	15.2	4.2
PROSTATECTOMY.....	572	1.2	1.0	0.6	3.3	2.3	1.1	3.8	3.9	0.9
CHOLECYSTECTOMY.....	337	1.5	3.1	1.3	5.3	5.7	1.4	7.4	7.6	1.5
HYSTERECTOMY.....	207	1.9	0.9	0.9	2.4	2.0	1.0	2.9	2.9	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 74,398						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.45	29.56	0.20	0.86	0.01		4.62	4.75	0.08	0.97	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.81	0.03	1.23	0.05						
CONGESTIVE HEART FAILURE.....	1.42	1.86	0.05	0.76	0.02						
PNEUMONIA/INFLUENZA.....	1.01	1.10	0.04	0.92	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.25	0.48	0.03	0.50	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.42	0.02	0.74	0.04						
STROKE.....	1.06	1.03	0.04	1.03	0.04						
HIP FRACTURE.....	0.65	0.53	0.03	1.22	0.06						
SEPSIS.....	0.36	0.40	0.02	0.89	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.21	0.02	1.20	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.31	0.02	1.16	0.08						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.02	0.73	0.07						
CAROTID ENDARTERECTOMY.....	0.11	0.11	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.34	0.02	1.04	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.02	1.10	0.08						
PROSTATECTOMY.....	0.67	0.68	0.03	0.99	0.04						
CHOLECYSTECTOMY.....	0.42	0.39	0.02	1.06	0.06						
HYSTERECTOMY.....	0.18	0.15	0.01	1.23	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

WILMINGTON, NC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,814	8.8	8.8	0.5	13.6	13.6	0.5	17.2	17.2	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	128	30.5	27.3	4.3	33.6	30.6	5.0	40.6	34.2	6.0
CONGESTIVE HEART FAILURE.....	209	15.8	16.3	3.1	24.9	24.7	5.3	30.1	31.6	3.7
PNEUMONIA/INFLUENZA.....	152	12.5	14.6	3.1	17.8	19.9	3.7	22.4	24.3	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	64	3.1	4.9	3.4	6.3	9.4	4.6	10.9	13.5	4.8
TRANSIENT CEREBRAL ISCHEMIA.....	66	1.5	1.7	1.7	3.0	3.7	2.4	4.5	6.0	3.6
STROKE.....	238	22.7	20.0	3.7	27.3	25.7	3.2	30.7	30.0	3.2
HIP FRACTURE.....	115	6.1	6.0	2.5	10.4	10.9	2.9	14.8	14.3	3.4
SEPSIS.....	58	22.4	25.7	7.8	27.6	33.8	10.0	32.8	40.2	10.1
PROCEDURES:										
ANGIOPLASTY.....	24	0.0	4.3	*	0.0	5.3	*	0.0	6.5	*
CORONARY ARTERY BYPASS GRAFT.....	68	0.0	4.7	5.3	1.5	7.0	6.0	2.9	8.6	5.9
INITIAL PACEMAKER INSERTION.....	45	0.0	3.6	*	6.7	6.3	*	11.1	8.8	*
CAROTID ENDARTERECTOMY.....	56	0.0	1.3	2.0	0.0	2.5	3.1	1.8	3.6	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	78	3.8	4.2	2.3	7.7	8.0	3.5	10.3	10.9	3.8
OPEN REDUCTION OF HIP FRACTURE.....	29	3.4	5.5	*	6.9	10.3	*	10.3	13.5	*
PROSTATECTOMY.....	189	0.0	1.3	1.4	1.6	2.6	2.0	2.6	4.1	2.5
CHOLECYSTECTOMY.....	88	0.0	2.4	2.7	2.3	3.8	3.1	2.3	4.9	3.3
HYSTERECTOMY.....	48	2.1	0.5	*	2.1	1.1	*	2.1	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,171					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.02	28.72	0.41	0.98	0.01	4.60	4.36	0.16	1.06	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.74	0.83	0.07	0.96	0.08					
CONGESTIVE HEART FAILURE.....	1.53	1.87	0.10	0.82	0.05					
PNEUMONIA/INFLUENZA.....	0.96	1.09	0.08	0.88	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.52	0.06	1.00	0.11					
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.48	0.05	1.01	0.11					
STROKE.....	1.27	1.01	0.08	1.25	0.09					
HIP FRACTURE.....	0.60	0.48	0.05	1.28	0.14					
SEPSIS.....	0.37	0.37	0.05	1.10	0.14					
PROCEDURES:										
ANGIOPLASTY.....	0.22	0.21	0.04	1.00	0.17					
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.31	0.04	1.61	0.23					
INITIAL PACEMAKER INSERTION.....	0.22	0.18	0.03	1.52	0.29					
CAROTID ENDARTERECTOMY.....	0.24	0.12	0.03	1.00	0.25					
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.34	0.04	1.31	0.18					
OPEN REDUCTION OF HIP FRACTURE.....	0.17	0.25	0.04	0.81	0.13					
PROSTATECTOMY.....	0.87	0.67	0.06	1.34	0.13					
CHOLECYSTECTOMY.....	0.43	0.41	0.05	1.09	0.13					
HYSTERECTOMY.....	0.18	0.15	0.03	1.30	0.28					

** QUANTITIES COULD NOT BE ESTIMATED

NC--(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	71,444	9.9	9.6	0.2	14.6	14.2	0.3	18.1	17.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,776	27.7	27.0	1.6	31.8	30.4	1.7	34.3	33.8	1.6
CONGESTIVE HEART FAILURE.....	4,043	14.0	14.4	0.7	21.7	22.2	0.9	29.0	28.8	0.7
PNEUMONIA/INFLUENZA.....	3,705	15.8	15.6	0.6	21.8	21.3	0.8	26.2	25.8	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	980	7.6	6.8	1.4	12.7	12.0	1.4	17.6	16.6	1.4
TRANSIENT CEREBRAL ISCHEMIA.....	1,031	2.0	2.0	0.7	4.8	4.5	1.2	7.6	7.1	1.0
STROKE.....	3,708	20.6	20.4	1.0	27.8	26.8	1.2	32.2	31.2	1.6
HIP FRACTURE.....	1,837	5.9	6.7	0.7	10.4	11.8	0.9	13.0	15.1	1.3
SEPSIS.....	898	26.9	26.3	1.5	34.0	33.8	1.7	38.8	39.6	1.8
PROCEDURES:										
ANGIOPLASTY.....	122	5.7	4.1	2.4	6.6	5.2	2.6	7.4	6.3	2.7
CORONARY ARTERY BYPASS GRAFT.....	142	4.9	5.9	2.9	6.3	8.4	3.4	8.5	9.9	3.1
INITIAL PACEMAKER INSERTION.....	425	5.6	4.1	1.6	9.6	7.3	2.2	12.0	10.3	2.8
CAROTID ENDARTERECTOMY.....	184	0.5	1.4	1.1	0.5	2.6	1.7	1.6	3.8	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	1,110	3.2	3.7	1.1	5.9	6.9	1.6	8.3	9.2	1.6
OPEN REDUCTION OF HIP FRACTURE.....	842	6.2	6.2	1.0	10.5	11.3	1.2	13.1	14.6	1.6
PROSTATECTOMY.....	2,263	1.0	1.1	0.4	2.8	2.5	0.5	4.6	4.2	0.6
CHOLECYSTECTOMY.....	1,548	2.6	2.7	0.5	4.8	4.7	0.6	6.3	6.1	0.6
HYSTERECTOMY.....	531	0.8	0.5	0.4	0.8	1.1	0.6	1.1	1.7	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 456,567					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.33	32.19	0.08	0.91	0.00	4.64	4.64	0.03	**	**
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.17	0.97	0.01	1.21	0.02					
CONGESTIVE HEART FAILURE.....	1.78	2.03	0.02	0.87	0.01					
PNEUMONIA/INFLUENZA.....	1.27	1.36	0.02	0.94	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.44	0.63	0.01	0.69	0.01					
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.49	0.01	0.75	0.02					
STROKE.....	1.22	1.10	0.02	1.11	0.02					
HIP FRACTURE.....	0.58	0.52	0.01	1.12	0.02					
SEPSIS.....	0.34	0.39	0.01	0.87	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.24	0.22	0.01	1.06	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.34	0.01	0.99	0.03					
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.95	0.04					
CAROTID ENDARTERECTOMY.....	0.11	0.13	0.01	1.00	0.05					
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.34	0.01	1.17	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.26	0.01	1.02	0.03					
PROSTATECTOMY.....	0.77	0.74	0.01	1.04	0.02					
CHOLECYSTECTOMY.....	0.49	0.50	0.01	0.97	0.02					
HYSTERECTOMY.....	0.18	0.16	0.01	1.11	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

BISMARCK, ND
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,008	7.0	8.3	0.6	11.4	12.7	0.7	14.0	16.3	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	144	14.6	26.2	4.5	16.0	29.5	4.9	16.7	33.0	5.3
CONGESTIVE HEART FAILURE.....	140	12.9	15.4	3.2	19.3	24.0	4.1	26.4	31.1	4.3
PNEUMONIA/INFLUENZA.....	117	17.1	16.2	3.5	24.8	22.4	4.7	29.1	27.0	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	38	5.3	7.7	*	13.2	14.2	*	21.1	20.0	*
TRANSIENT CEREBRAL ISCHEMIA.....	34	0.0	2.0	*	0.0	4.5	*	2.9	7.3	*
STROKE.....	116	19.8	21.6	7.2	33.6	28.8	7.3	35.3	33.5	6.3
HIP FRACTURE.....	112	6.3	6.6	2.4	8.9	11.8	3.6	9.8	15.3	4.6
SEPSIS.....	32	12.5	21.0	*	21.9	27.8	*	21.9	33.3	*
PROCEDURES:										
ANGIOPLASTY.....	59	0.0	4.1	4.8	0.0	5.0	5.5	1.7	6.2	5.0
CORONARY ARTERY BYPASS GRAFT.....	158	5.1	5.8	3.3	8.2	8.2	4.1	8.9	9.7	3.1
INITIAL PACEMAKER INSERTION.....	41	2.4	4.2	*	4.9	6.7	*	4.9	9.2	*
CAROTID ENDARTERECTOMY.....	37	2.7	1.5	*	2.7	2.8	*	2.7	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	121	0.0	2.1	1.9	3.3	4.1	2.9	3.3	5.8	3.0
OPEN REDUCTION OF HIP FRACTURE.....	65	10.8	6.4	4.4	13.8	11.9	4.2	15.4	15.6	4.6
PROSTATECTOMY.....	274	1.1	0.8	0.7	2.6	1.9	1.0	3.3	3.2	1.1
CHOLECYSTECTOMY.....	87	1.1	3.3	3.0	5.7	6.0	2.6	5.7	7.9	3.5
HYSTERECTOMY.....	46	2.2	0.4	*	2.2	0.8	*	4.3	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 10,805						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.62	27.46	0.50	1.08	0.02		4.29	4.67	0.21	0.92	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.89	0.09	1.02	0.11						
CONGESTIVE HEART FAILURE.....	1.44	1.59	0.12	0.92	0.07						
PNEUMONIA/INFLUENZA.....	1.22	1.30	0.11	0.94	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.50	0.07	0.92	0.13						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.39	0.06	0.74	0.12						
STROKE.....	0.93	0.87	0.09	1.10	0.12						
HIP FRACTURE.....	0.68	0.62	0.08	1.05	0.13						
SEPSIS.....	0.31	0.31	0.05	1.09	0.20						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.24	0.05	1.09	0.23						
CORONARY ARTERY BYPASS GRAFT.....	0.59	0.35	0.06	1.85	0.32						
INITIAL PACEMAKER INSERTION.....	0.27	0.19	0.04	1.23	0.30						
CAROTID ENDARTERECTOMY.....	0.16	0.12	0.03	1.00	0.32						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.45	0.06	0.93	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.38	0.29	0.05	1.30	0.25						
PROSTATECTOMY.....	1.30	0.76	0.08	1.70	0.20						
CHOLECYSTECTOMY.....	0.51	0.45	0.06	1.23	0.19						
HYSTERECTOMY.....	0.28	0.18	0.04	1.45	0.37						

** QUANTITIES COULD NOT BE ESTIMATED

GRAND FORKS, ND
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	2,333	7.4	7.4	0.8	11.0	11.6	0.8	13.9	15.0	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	53	39.6	29.3	10.6	45.3	32.8	11.2	47.2	36.3	10.7
CONGESTIVE HEART FAILURE.....	80	20.0	13.5	7.6	26.2	21.0	7.5	33.7	27.4	8.4
PNEUMONIA/INFLUENZA.....	69	20.3	16.5	5.6	23.2	22.4	5.2	24.6	26.9	6.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	22	13.6	9.3	*	22.7	15.9	*	31.8	21.5	*
TRANSIENT CEREBRAL ISCHEMIA.....	31	0.0	1.7	*	0.0	3.6	*	6.5	5.8	*
STROKE.....	66	16.7	17.1	5.5	24.2	24.0	5.9	27.3	28.4	6.7
HIP FRACTURE.....	130	5.4	7.0	2.6	10.0	12.4	3.7	13.1	16.0	5.3
SEPSIS.....	14	14.3	23.5	*	14.3	33.2	*	21.4	40.0	*
PROCEDURES:										
ANGIOPLASTY.....	13	7.7	3.4	*	7.7	4.1	*	7.7	5.1	*
CORONARY ARTERY BYPASS GRAFT.....	46	2.2	3.6	*	4.3	4.9	*	6.5	5.9	*
INITIAL PACEMAKER INSERTION.....	20	0.0	3.2	*	5.0	6.0	*	5.0	8.6	*
CAROTID ENDOARTERECTOMY.....	11	9.1	1.5	*	9.1	3.1	*	9.1	4.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	122	2.5	3.0	1.6	5.7	5.5	2.1	7.4	7.4	2.4
OPEN REDUCTION OF HIP FRACTURE.....	65	1.5	6.5	4.0	4.6	12.1	5.7	4.6	15.9	7.3
PROSTATECTOMY.....	78	2.6	0.8	1.6	2.6	1.9	1.6	2.6	3.3	2.2
CHOLECYSTECTOMY.....	42	2.4	2.6	*	4.8	5.0	*	7.1	6.9	*
HYSTERECTOMY.....	31	0.0	0.8	*	3.2	1.8	*	3.2	2.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 6,879						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	23.35	28.77	0.65	0.81	0.02		4.67	4.98	0.27	0.93	0.05
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.76	0.94	0.12	0.80	0.10						
CONGESTIVE HEART FAILURE.....	1.32	1.71	0.16	0.77	0.07						
PNEUMONIA/INFLUENZA.....	1.02	1.51	0.15	0.72	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.55	0.09	0.88	0.14						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.41	0.08	0.91	0.17						
STROKE.....	0.80	0.91	0.11	0.88	0.11						
HIP FRACTURE.....	0.86	0.69	0.10	1.25	0.18						
SEPSIS.....	0.19	0.32	0.07	0.58	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.23	0.06	0.89	0.22						
CORONARY ARTERY BYPASS GRAFT.....	0.25	0.34	0.07	0.74	0.15						
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.05	0.76	0.21						
CAROTID ENDOARTERECTOMY.....	0.07	0.12	0.04	1.00	0.34						
HIP REPLACEMENT/RECONSTRUCTION.....	0.55	0.47	0.08	1.18	0.21						
OPEN REDUCTION OF HIP FRACTURE.....	0.47	0.32	0.07	1.43	0.30						
PROSTATECTOMY.....	0.41	0.74	0.10	0.55	0.08						
CHOLECYSTECTOMY.....	0.36	0.47	0.08	0.77	0.14						
HYSTERECTOMY.....	0.19	0.19	0.05	1.24	0.34						

** QUANTITIES COULD NOT BE ESTIMATED

NO-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	11,435	8.8	9.9	0.3	12.8	14.9	0.4	15.9	19.0	0.5
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	377	32.4	29.9	2.6	35.5	33.7	2.6	37.7	37.5	2.5
CONGESTIVE HEART FAILURE.....	693	11.5	16.1	1.8	18.6	24.7	2.4	25.4	31.7	2.4
PNEUMONIA/INFLUENZA.....	811	16.4	17.9	1.5	21.8	24.3	1.9	24.0	29.2	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	207	6.8	6.7	1.8	11.1	12.8	2.5	14.0	18.2	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	175	0.6	1.9	1.6	3.4	4.3	1.7	7.4	6.9	2.0
STROKE.....	427	21.8	22.6	2.5	26.2	29.7	2.9	28.8	34.6	3.4
HIP FRACTURE.....	175	4.0	6.9	2.5	6.9	12.7	3.8	10.9	16.7	4.0
SEPSIS.....	141	24.1	26.7	5.2	28.4	34.3	6.9	33.3	40.3	8.2
PROCEDURES:										
ANGIOPLASTY.....	2	0.0	1.4	*	0.0	2.2	*	0.0	3.3	*
CORONARY ARTERY BYPASS GRAFT.....	5	0.0	4.6	*	0.0	6.2	*	0.0	7.3	*
INITIAL PACEMAKER INSERTION.....	29	0.0	3.6	*	0.0	7.0	*	0.0	10.2	*
CAROTID ENDOARTERECTOMY.....	8	0.0	1.8	*	0.0	3.2	*	0.0	4.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	116	3.4	3.3	2.6	5.2	6.5	3.9	6.0	8.9	4.8
OPEN REDUCTION OF HIP FRACTURE.....	79	3.8	6.3	4.4	6.3	12.0	6.2	10.1	15.8	6.2
PROSTATECTOMY.....	358	0.0	1.1	0.9	1.4	2.8	1.2	3.1	4.7	1.6
CHOLECYSTECTOMY.....	155	1.3	1.8	1.2	2.6	3.2	1.7	3.9	4.2	1.7
HYSTERECTOMY.....	95	0.0	0.6	1.1	2.1	1.3	1.4	3.2	1.9	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 72,768					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SO,%	REL	SE	OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	34.25	28.13	0.20	1.22	0.01	4.45	4.73	0.08	0.94	0.02
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.12	0.98	0.04	1.18	0.05					
CONGESTIVE HEART FAILURE.....	2.10	1.62	0.05	1.28	0.04					
PNEUMONIA/INFLUENZA.....	1.86	1.43	0.04	1.31	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.64	0.47	0.03	1.39	0.09					
TRANSIENT CEREBRAL ISCHEMIA.....	0.47	0.40	0.02	1.25	0.09					
STROKE.....	1.01	0.91	0.04	1.15	0.05					
HIP FRACTURE.....	0.62	0.64	0.03	0.96	0.05					
SEPSIS.....	0.38	0.30	0.02	1.46	0.13					
PROCEDURES:										
ANGIOPLASTY.....	0.23	0.22	0.02	0.97	0.10					
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.38	0.02	1.07	0.08					
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.02	0.87	0.10					
CAROTID ENDOARTERECTOMY.....	0.08	0.11	0.01	1.00	0.18					
HIP REPLACEMENT/RECONSTRUCTION.....	0.61	0.49	0.03	1.24	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.30	0.02	0.94	0.08					
PROSTATECTOMY.....	1.19	0.91	0.04	1.33	0.06					
CHOLECYSTECTOMY.....	0.50	0.48	0.03	1.09	0.07					
HYSTERECTOMY.....	0.23	0.17	0.02	1.16	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

LINCOLN, NE
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	6,394	8.4	7.3	0.4	12.7	11.3	0.6	15.8	14.6	0.6
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	178	28.7	28.0	3.5	37.1	31.5	4.7	40.4	35.0	4.7
CONGESTIVE HEART FAILURE.....	216	14.4	14.9	2.5	23.6	22.9	2.9	30.6	29.6	3.3
PNEUMONIA/INFLUENZA.....	196	17.3	17.1	2.8	23.5	23.4	3.2	26.0	28.3	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	51	9.8	7.5	4.9	13.7	12.5	5.2	19.6	17.1	6.7
TRANSIENT CEREBRAL ISCHEMIA.....	52	1.9	1.9	4.3	7.7	4.2	5.0	11.5	6.8	6.9
STROKE.....	181	21.0	21.9	3.3	26.5	28.2	3.8	29.3	32.8	5.1
HIP FRACTURE.....	249	6.4	6.2	1.8	12.4	11.4	2.1	13.3	15.0	2.5
SEPSIS.....	29	20.7	23.5	*	34.5	31.0	*	34.5	37.6	*
PROCEDURES:										
ANGIOPLASTY.....	77	3.9	3.6	2.2	6.5	4.5	2.9	6.5	5.7	3.0
CORONARY ARTERY BYPASS GRAFT.....	203	12.8	5.3	2.9	15.3	7.4	3.0	16.7	8.7	3.2
INITIAL PACEMAKER INSERTION.....	57	3.5	3.4	3.0	5.3	6.4	5.1	5.3	9.1	6.9
CAROTID ENDARTERECTOMY.....	69	0.0	1.4	1.9	2.9	2.8	2.5	2.9	4.1	3.3
HIP REPLACEMENT/RECONSTRUCTION.....	286	2.8	2.5	1.1	5.6	4.8	1.5	6.3	6.6	1.6
OPEN REDUCTION OF HIP FRACTURE.....	65	4.6	5.1	3.2	9.2	9.8	5.0	10.8	13.1	5.5
PROSTATECTOMY.....	220	0.9	0.9	0.6	1.4	2.1	1.9	4.5	3.6	1.8
CHOLECYSTECTOMY.....	114	2.6	2.4	2.9	6.1	4.2	3.1	6.1	5.5	3.3
HYSTERECTOMY.....	73	0.0	0.7	1.2	1.4	1.6	1.5	2.7	2.3	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 25,757						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	21.90	27.65	0.33	0.79	0.01		4.60	4.94	0.14	0.93	0.03
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.88	0.06	0.86	0.06						
CONGESTIVE HEART FAILURE.....	1.02	1.64	0.08	0.61	0.03						
PNEUMONIA/INFLUENZA.....	0.88	1.29	0.07	0.68	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.22	0.48	0.04	0.46	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.41	0.04	0.69	0.07						
STROKE.....	0.72	0.90	0.06	0.79	0.05						
HIP FRACTURE.....	0.69	0.70	0.05	1.01	0.08						
SEPSIS.....	0.12	0.32	0.04	0.38	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.22	0.03	0.87	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.34	0.04	1.17	0.13						
INITIAL PACEMAKER INSERTION.....	0.09	0.19	0.03	0.48	0.07						
CAROTID ENDARTERECTOMY.....	0.11	0.11	0.02	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.63	0.46	0.04	1.39	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.19	0.33	0.04	0.53	0.06						
PROSTATECTOMY.....	0.61	0.71	0.05	0.80	0.06						
CHOLECYSTECTOMY.....	0.36	0.42	0.04	0.84	0.08						
HYSTERECTOMY.....	0.22	0.17	0.03	1.43	0.24						

** QUANTITIES COULD NOT BE ESTIMATED

NE-(NDHMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		3D DAYS			9D DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	22,892	1D.3	9.D	0.3	14.9	13.7	D.4	18.3	17.4	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	879	29.4	27.4	2.4	33.9	3D.9	2.6	35.9	34.5	2.2
CONGESTIVE HEART FAILURE.....	1,225	18.4	15.1	1.5	27.2	23.4	1.7	34.1	3D.3	1.8
PNEUMONIA/INFLUENZA.....	1,633	16.9	16.2	1.8	23.8	22.3	1.6	28.3	27.1	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	352	11.1	7.9	3.0	16.5	14.1	3.D	21.9	19.6	3.1
TRANSIENT CEREBRAL ISCHEMIA.....	228	3.5	2.1	1.4	5.7	4.9	1.6	8.8	7.9	1.9
STROKE.....	938	23.1	21.9	1.8	29.9	28.5	1.7	33.9	33.3	1.6
HIP FRACTURE.....	762	9.4	6.6	1.4	14.3	12.D	1.5	17.5	15.7	1.7
SEPSIS.....	216	19.9	25.8	4.8	29.2	33.7	5.9	33.3	4D.1	5.6
PROCEDURES:										
ANGIOPLASTY.....	D									
CORONARY ARTERY BYPASS GRAFT.....	D									
INITIAL PACEMAKER INSERTION.....	118	4.2	3.9	1.8	8.5	7.3	2.6	1D.2	1D.3	2.8
CARDIAC ENDARTERECTOMY.....	54	3.7	1.7	3.1	5.6	3.3	3.6	5.6	4.9	4.3
HIP REPLACEMENT/RECONSTRUCTION.....	528	4.5	3.4	1.D	7.2	6.5	1.1	9.5	8.7	1.4
OPEN REDUCTION OF HIP FRACTURE.....	24D	8.7	6.2	2.8	15.8	11.7	3.4	19.2	15.6	3.9
PROSTATECTOMY.....	1,D23	1.5	1.D	D.5	3.2	2.4	D.9	4.8	4.1	1.3
CHOLECYSTECTOMY.....	537	3.5	2.6	1.2	5.6	4.7	1.3	6.3	6.1	1.3
HYSTERECTOMY.....	242	D.4	D.9	0.8	D.8	1.8	1.3	0.8	2.8	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 157,872					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.14	28.56	D.13	D.95	D.0D	4.81	4.93	D.06	0.98	D.D1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.96	D.99	D.D2	0.99	D.D3					
CONGESTIVE HEART FAILURE.....	1.46	1.7D	D.D3	0.87	0.D2					
PNEUMONIA/INFLUENZA.....	1.61	1.44	0.D3	1.13	D.D2					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	D.42	D.48	D.D2	D.94	D.D4					
TRANSIENT CEREBRAL ISCHEMIA.....	D.24	D.42	D.02	D.61	D.D3					
STROKE.....	0.9D	D.94	0.D2	D.95	D.D3					
HIP FRACTURE.....	D.74	D.69	0.D2	1.D8	D.D4					
SEPSIS.....	D.24	D.31	0.D1	0.79	D.04					
PROCEDURES:										
ANGIOPLASTY.....	D.16	D.22	D.01	D.67	D.04					
CORONARY ARTERY BYPASS GRAFT.....	0.29	D.36	D.01	D.78	D.D4					
INITIAL PACEMAKER INSERTION.....	D.22	0.2D	0.D1	1.D7	D.D8					
CARDIAC ENDARTERECTOMY.....	D.13	D.11	D.D1	1.00	D.11					
HIP REPLACEMENT/RECONSTRUCTION.....	D.59	D.50	D.02	1.19	0.D5					
OPEN REDUCTION OF HIP FRACTURE.....	D.23	0.32	0.D1	D.78	D.04					
PROSTATECTOMY.....	D.95	0.85	D.02	1.13	0.D3					
CHOLECYSTECTOMY.....	0.53	0.48	D.02	1.11	D.D5					
HYSTERECTOMY.....	0.22	0.18	0.D1	1.24	0.1D					

** QUANTITIES COULD NOT BE ESTIMATED

MANCHESTER-NASHUA, NH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,729	9.4	9.1	0.4	14.4	13.8	0.5	17.8	17.6	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	458	27.3	27.1	2.5	31.2	30.8	2.3	34.1	34.4	2.2
CONGESTIVE HEART FAILURE.....	551	14.7	14.8	1.7	26.1	22.8	2.5	33.2	29.4	2.9
PNEUMONIA/INFLUENZA.....	382	14.4	17.0	3.7	21.5	23.0	3.1	25.1	27.6	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	170	11.2	8.3	2.7	19.4	14.3	4.1	23.5	19.4	4.7
TRANSIENT CEREBRAL ISCHEMIA.....	127	3.1	1.9	1.6	5.5	4.3	2.4	9.4	6.8	4.3
STROKE.....	373	19.8	21.3	2.6	27.9	28.1	2.3	31.1	32.6	2.9
HIP FRACTURE.....	286	6.6	6.7	1.5	11.5	12.0	2.0	16.4	15.6	2.5
SEPSIS.....	83	36.1	26.5	5.8	41.0	35.1	5.7	44.6	41.3	5.5
PROCEDURES:										
ANGIOPLASTY.....	67	4.5	3.2	2.6	4.5	4.1	2.8	4.5	5.2	3.5
CORONARY ARTERY BYPASS GRAFT.....	125	1.6	6.1	2.9	4.8	8.5	3.2	8.0	9.9	2.9
INITIAL PACEMAKER INSERTION.....	41	9.8	3.8	*	12.2	6.8	*	14.6	9.5	*
CARDIAC ENDARTERECTOMY.....	33	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	176	3.4	3.6	1.6	6.3	6.9	2.3	8.5	9.4	2.4
OPEN REDUCTION OF HIP FRACTURE.....	130	7.7	6.4	2.4	12.3	11.9	3.2	17.7	15.6	4.4
PROSTATECTOMY.....	230	0.0	1.1	1.2	1.3	2.4	1.4	3.5	4.0	1.8
CHOLECYSTECTOMY.....	193	4.1	2.7	1.9	6.2	4.7	2.4	6.7	6.2	2.3
HYSTERECTOMY.....	100	2.0	0.9	2.0	3.0	2.0	3.2	5.0	3.0	3.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 54,304						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.98	27.49	0.22	0.91	0.01		4.69	4.71	0.09	1.00	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.16	0.89	0.04	1.31	0.06						
CONGESTIVE HEART FAILURE.....	1.60	1.62	0.05	0.99	0.03						
PNEUMONIA/INFLUENZA.....	0.86	1.22	0.05	0.71	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.48	0.03	0.92	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.40	0.03	0.79	0.06						
STROKE.....	0.82	0.89	0.04	0.93	0.04						
HIP FRACTURE.....	0.62	0.65	0.03	0.96	0.05						
SEPSIS.....	0.19	0.31	0.02	0.64	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.22	0.02	0.97	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.34	0.02	1.06	0.08						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.02	0.72	0.08						
CARDIAC ENDARTERECTOMY.....	0.07	0.11	0.01	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.44	0.03	0.92	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.31	0.02	1.02	0.08						
PROSTATECTOMY.....	0.52	0.71	0.04	0.73	0.04						
CHOLECYSTECTOMY.....	0.42	0.44	0.03	0.95	0.06						
HYSTERECTOMY.....	0.18	0.17	0.02	1.02	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

PORTSMOUTH-DOVER-ROCHESTER, NH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	4,739	9.9	9.3	0.6	14.7	14.1	0.6	18.1	17.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	203	32.0	27.4	6.3	37.4	30.8	6.8	39.4	34.2	5.9
CONGESTIVE HEART FAILURE.....	259	13.5	14.6	4.2	17.0	22.4	5.3	24.7	29.0	5.8
PNEUMONIA/INFLUENZA.....	201	15.4	15.5	2.6	18.4	21.1	3.3	21.9	25.6	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	92	6.5	9.3	4.5	13.0	15.1	6.0	16.3	20.1	7.1
TRANSIENT CEREBRAL ISCHEMIA.....	50	2.0	2.0	*	2.0	4.4	*	8.0	7.0	*
STROKE.....	172	20.9	21.8	3.3	26.7	28.4	4.1	30.2	33.0	4.7
HIP FRACTURE.....	151	6.6	6.2	2.0	11.9	11.3	2.8	15.2	14.8	3.0
SEPSIS.....	27	25.9	24.8	*	25.9	32.0	*	25.9	38.0	*
PROCEDURES:										
ANGIOPLASTY.....	12	50.0	7.3	*	50.0	8.4	*	50.0	9.8	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	33	6.1	3.1	*	6.1	5.8	*	6.1	8.5	*
CAROTID ENDOARTERECTOMY.....	6	0.0	1.5	*	0.0	3.1	*	0.0	4.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	100	2.0	3.3	3.1	4.0	6.3	4.4	6.0	8.5	4.6
OPEN REDUCTION OF HIP FRACTURE.....	75	9.3	5.9	5.8	16.0	11.1	7.8	18.7	14.7	7.3
PROSTATECTOMY.....	127	0.0	0.8	1.0	0.0	2.1	2.0	1.6	3.5	2.2
CHOLECYSTECTOMY.....	101	2.0	2.8	2.5	4.0	5.2	3.7	4.0	7.0	4.0
HYSTERECTOMY.....	40	2.5	0.8	*	2.5	1.8	*	2.5	2.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 37,530					MORTALITY				
	ADMISSION									
	OBS,%	PREO,%	SO,%	REL	SE	OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	25.09	27.13	0.27	0.92	0.01	4.65	4.53	0.11	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.03	0.89	0.05	1.16	0.06					
CONGESTIVE HEART FAILURE.....	1.60	1.59	0.06	1.01	0.04					
PNEUMONIA/INFLUENZA.....	0.98	1.18	0.06	0.83	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.52	0.48	0.04	1.08	0.08					
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.40	0.03	0.72	0.06					
STROKE.....	0.78	0.87	0.05	0.88	0.05					
HIP FRACTURE.....	0.60	0.60	0.04	1.02	0.07					
SEPSIS.....	0.18	0.30	0.03	0.58	0.06					
PROCEDURES:										
ANGIOPLASTY.....	0.26	0.24	0.03	1.02	0.12					
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.36	0.03	1.03	0.09					
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.02	0.79	0.10					
CAROTID ENDOARTERECTOMY.....	0.07	0.12	0.02	1.00	0.17					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.43	0.03	1.00	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.03	0.99	0.10					
PROSTATECTOMY.....	0.57	0.76	0.04	0.77	0.05					
CHOLECYSTECTOMY.....	0.40	0.45	0.03	0.93	0.07					
HYSTERECTOMY.....	0.15	0.18	0.02	0.82	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

NH-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	8,425	9.2	9.3	0.4	14.2	14.1	0.4	17.9	17.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	332	28.3	26.7	4.2	32.8	30.0	4.1	35.2	33.4	3.3
CONGESTIVE HEART FAILURE.....	362	14.4	15.1	2.1	22.9	23.4	3.4	30.4	30.2	2.4
PNEUMONIA/INFLUENZA.....	412	14.8	15.3	2.1	19.7	21.0	2.6	23.8	25.4	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	133	10.5	7.9	3.4	14.3	13.3	6.2	21.1	18.0	7.8
TRANSIENT CEREBRAL ISCHEMIA.....	75	1.3	1.9	2.2	2.7	4.1	5.1	10.7	6.6	4.2
STROKE.....	310	17.4	20.1	3.4	25.8	26.5	3.2	30.6	31.0	2.7
HIP FRACTURE.....	262	6.5	6.6	1.6	11.1	12.0	2.1	17.6	15.6	2.6
SEPSIS.....	103	15.5	25.8	6.6	19.4	32.9	6.5	30.1	38.8	6.0
PROCEDURES:										
ANGIOPLASTY.....	48	4.2	2.3	*	4.2	3.3	*	4.2	4.3	*
CORONARY ARTERY BYPASS GRAFT.....	100	14.0	5.1	4.3	16.0	7.7	4.2	16.0	9.3	4.3
INITIAL PACEMAKER INSERTION.....	48	6.3	3.0	*	6.3	5.3	*	10.4	7.4	*
CAROTID ENDARTERECTOMY.....	21	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	203	4.9	3.0	1.9	7.9	5.9	2.3	10.3	8.1	3.1
OPEN REDUCTION OF HIP FRACTURE.....	118	6.8	5.9	2.5	11.9	11.2	3.5	17.8	14.8	5.4
PROSTATECTOMY.....	259	0.4	0.8	0.7	2.3	1.9	1.0	3.1	3.3	1.1
CHOLECYSTECTOMY.....	153	2.6	2.5	1.4	4.6	4.3	1.7	5.9	5.6	2.5
HYSTERECTOMY.....	81	0.0	1.3	1.7	1.2	2.9	2.5	1.2	4.5	3.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 49,111						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.66	28.10	0.24	0.88	0.01		4.75	4.57	0.10	1.04	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.96	0.04	1.02	0.05						
CONGESTIVE HEART FAILURE.....	1.43	1.66	0.06	0.87	0.03						
PNEUMONIA/INFLUENZA.....	1.25	1.30	0.05	0.97	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.53	0.03	0.90	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.42	0.03	0.66	0.05						
STROKE.....	0.83	0.91	0.04	0.92	0.04						
HIP FRACTURE.....	0.57	0.60	0.03	0.95	0.06						
SEPSIS.....	0.28	0.31	0.02	0.87	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.12	0.24	0.02	0.48	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.38	0.03	0.80	0.06						
INITIAL PACEMAKER INSERTION.....	0.14	0.20	0.02	0.75	0.08						
CAROTID ENDARTERECTOMY.....	0.04	0.13	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.45	0.03	1.00	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.29	0.02	0.91	0.08						
PROSTATECTOMY.....	0.65	0.82	0.04	0.79	0.04						
CHOLECYSTECTOMY.....	0.40	0.49	0.03	0.85	0.06						
HYSTERECTOMY.....	0.17	0.18	0.02	0.92	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

ALLENTOWN-BETHLEHEM, PA-NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	22,879	8.1	8.9	0.2	13.1	13.7	0.4	16.3	17.4	0.3
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	677	22.6	27.3	2.6	27.0	30.9	2.7	30.9	34.4	2.5
CONGESTIVE HEART FAILURE.....	1,117	14.2	15.7	1.6	24.4	24.1	1.8	31.5	31.0	1.4
PNEUMONIA/INFLUENZA.....	697	17.6	17.5	1.7	24.0	23.8	1.8	25.8	28.6	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	378	9.5	8.6	2.8	18.8	15.0	3.9	22.5	20.5	3.3
TRANSIENT CEREBRAL ISCHEMIA.....	471	2.1	1.8	0.7	4.5	4.0	1.0	5.9	6.3	1.2
STROKE.....	818	17.4	20.4	2.0	24.9	26.9	1.8	28.9	31.4	2.0
HIP FRACTURE.....	467	4.5	6.5	1.7	7.5	11.7	2.3	10.9	15.3	2.6
SEPSIS.....	263	21.7	27.0	3.9	28.1	34.6	4.5	33.5	40.6	5.1
PROCEDURES:										
ANGIOPLASTY.....	117	0.9	3.2	3.1	2.6	4.1	3.2	3.4	5.1	3.3
CORONARY ARTERY BYPASS GRAFT.....	359	6.1	6.4	1.7	8.6	9.5	2.6	10.3	11.4	2.7
INITIAL PACEMAKER INSERTION.....	196	3.1	4.3	1.9	9.2	7.9	2.4	10.7	11.2	2.5
CAROTID ENOARTERECTOMY.....	121	3.3	1.5	1.7	4.1	2.9	2.2	5.0	4.2	2.6
HIP REPLACEMENT/RECONSTRUCTION.....	321	2.5	3.1	1.2	5.0	6.0	1.5	8.1	8.2	1.6
OPEN REDUCTION OF HIP FRACTURE.....	271	4.8	6.1	2.0	7.7	11.4	2.8	10.0	15.1	3.6
PROSTATECTOMY.....	699	1.0	1.3	0.9	3.6	3.0	1.2	6.2	4.9	1.7
CHOLECYSTECTOMY.....	530	2.5	3.2	1.0	5.7	5.6	1.0	7.2	7.2	1.1
HYSTERECTOMY.....	192	1.6	1.2	1.1	2.1	2.3	1.3	2.6	3.3	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 116,925						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.37	27.55	0.15	1.07	0.01		4.57	4.46	0.06	1.03	0.01
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.92	0.03	1.00	0.03						
CONGESTIVE HEART FAILURE.....	1.72	1.64	0.04	1.05	0.02						
PNEUMONIA/INFLUENZA.....	0.88	1.17	0.03	0.75	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.50	0.02	1.05	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.56	0.41	0.02	1.38	0.06						
STROKE.....	0.96	0.90	0.03	1.06	0.03						
HIP FRACTURE.....	0.51	0.59	0.02	0.86	0.03						
SEPSIS.....	0.37	0.31	0.02	1.24	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.24	0.01	0.73	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.37	0.02	1.12	0.06						
INITIAL PACEMAKER INSERTION.....	0.23	0.20	0.01	1.14	0.08						
CAROTID ENOARTERECTOMY.....	0.13	0.13	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.43	0.02	0.80	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.29	0.02	1.04	0.06						
PROSTATECTOMY.....	0.75	0.77	0.03	0.98	0.03						
CHOLECYSTECTOMY.....	0.55	0.46	0.02	1.00	0.04						
HYSTERECTOMY.....	0.19	0.18	0.01	1.04	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

ATLANTIC CITY, NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,299	9.7	10.0	0.3	15.3	15.2	0.5	18.7	19.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	380	23.2	26.5	2.8	30.3	29.8	2.5	33.9	33.1	2.4
CONGESTIVE HEART FAILURE.....	707	13.0	15.6	2.1	20.5	24.0	2.7	26.7	30.9	2.7
PNEUMONIA/INFLUENZA.....	385	19.5	18.2	2.2	27.0	24.4	2.6	28.8	29.2	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	139	10.1	8.4	2.7	16.5	14.4	3.6	19.4	19.6	3.5
TRANSIENT CEREBRAL ISCHEMIA.....	241	0.8	2.0	1.3	2.1	4.4	2.4	5.8	7.0	2.4
STROKE.....	443	19.0	20.6	2.9	26.6	27.8	2.5	31.4	32.2	2.3
HIP FRACTURE.....	284	6.3	7.5	1.8	12.7	13.1	2.4	15.1	16.7	3.5
SEPSIS.....	119	34.5	34.2	4.6	43.7	42.1	6.7	47.1	48.9	5.6
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	87	3.4	4.3	2.8	4.6	8.1	4.4	6.9	11.5	5.5
CARDIAC ENDARTERECTOMY.....	46	0.0	1.3	*	2.2	2.5	*	4.3	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	126	3.2	4.5	2.2	7.1	8.2	2.8	8.7	11.0	4.1
OPEN REDUCTION OF HIP FRACTURE.....	182	7.1	7.1	2.0	12.6	13.0	2.5	15.4	16.7	3.3
PROSTATECTOMY.....	352	0.6	1.3	0.9	2.0	3.1	1.3	4.3	5.1	1.6
CHOLECYSTECTOMY.....	154	1.9	3.6	2.2	3.9	6.5	3.3	5.2	8.6	3.7
HYSTERECTOMY.....	43	0.0	1.5	*	0.0	2.9	*	0.0	3.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 56,686						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.44	28.46	0.22	1.07	0.01		5.06	4.68	0.09	1.08	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.95	0.90	0.04	1.07	0.05						
CONGESTIVE HEART FAILURE.....	2.23	1.74	0.06	1.27	0.04						
PNEUMONIA/INFLUENZA.....	1.08	1.21	0.05	0.90	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.51	0.03	0.90	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.57	0.43	0.03	1.35	0.09						
STROKE.....	1.06	0.97	0.04	1.09	0.05						
HIP FRACTURE.....	0.57	0.59	0.03	0.99	0.05						
SEPSIS.....	0.34	0.36	0.02	0.95	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.14	0.24	0.02	0.57	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.36	0.02	1.00	0.07						
INITIAL PACEMAKER INSERTION.....	0.23	0.20	0.02	1.11	0.11						
CARDIAC ENDARTERECTOMY.....	0.17	0.12	0.01	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.41	0.03	0.81	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.37	0.29	0.02	1.25	0.10						
PROSTATECTOMY.....	0.88	0.78	0.04	1.14	0.05						
CHOLECYSTECTOMY.....	0.36	0.44	0.03	0.82	0.05						
HYSTERECTOMY.....	0.13	0.17	0.02	1.00	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

BERGEN-PASSAIC, NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	33,151	9.2	9.2	0.2	14.6	14.1	0.3	18.3	17.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	964	28.5	29.4	1.5	32.1	32.6	1.5	34.5	36.0	1.7
CONGESTIVE HEART FAILURE.....	1,815	15.9	15.7	1.1	24.7	24.1	1.1	30.7	31.1	1.4
PNEUMONIA/INFLUENZA.....	1,138	20.9	18.6	1.8	27.8	25.2	2.3	33.0	30.3	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	367	8.7	10.3	2.2	16.9	16.9	2.0	24.3	22.5	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	587	1.5	1.9	0.6	4.3	4.2	0.8	6.8	6.7	1.1
STROKE.....	1,364	18.4	21.5	1.8	27.1	28.2	1.3	31.3	32.7	1.4
HIP FRACTURE.....	702	5.7	6.7	1.0	13.1	11.9	1.3	18.1	15.5	1.7
SEPSIS.....	327	31.8	29.6	2.8	41.0	37.9	3.8	48.6	44.0	3.6
PROCEDURES:										
ANGIOPLASTY.....	333	1.8	2.5	1.1	2.7	3.2	1.1	2.7	4.2	1.6
CORONARY ARTERY BYPASS GRAFT.....	530	8.1	5.8	2.2	10.4	8.4	2.1	10.8	10.1	1.6
INITIAL PACEMAKER INSERTION.....	302	2.3	4.3	2.3	6.6	8.1	2.4	9.6	11.4	2.5
CAROTID ENDARTERECTOMY.....	89	2.2	1.4	1.7	3.4	2.6	2.1	4.5	3.8	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	419	3.1	3.5	1.0	8.1	6.7	1.8	9.8	9.0	1.8
OPEN REDUCTION OF HIP FRACTURE.....	375	4.8	6.2	1.4	10.9	11.6	1.8	17.3	15.1	2.1
PROSTATECTOMY.....	1,223	1.0	1.3	0.8	3.1	3.0	0.7	5.1	4.8	0.7
CHOLECYSTECTOMY.....	571	3.7	3.5	0.8	6.5	6.2	1.5	9.3	8.0	1.9
HYSTERECTOMY.....	213	0.9	1.1	0.8	1.9	2.3	1.1	3.3	3.5	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 199,626						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SD,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	26.90	26.12	0.11	1.03	0.00		4.56	4.45	0.05	1.02	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.76	0.82	0.02	0.92	0.02						
CONGESTIVE HEART FAILURE.....	1.70	1.55	0.03	1.10	0.02						
PNEUMONIA/INFLUENZA.....	0.92	1.01	0.02	0.90	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.32	0.41	0.01	0.79	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.38	0.01	1.19	0.04						
STROKE.....	0.96	0.88	0.02	1.08	0.03						
HIP FRACTURE.....	0.51	0.60	0.02	0.86	0.02						
SEPSIS.....	0.29	0.33	0.01	0.89	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.25	0.24	0.01	1.02	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.36	0.01	0.96	0.04						
INITIAL PACEMAKER INSERTION.....	0.23	0.20	0.01	1.17	0.06						
CAROTID ENDARTERECTOMY.....	0.06	0.11	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.32	0.43	0.01	0.76	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.01	0.91	0.04						
PROSTATECTOMY.....	0.87	0.76	0.02	1.15	0.03						
CHOLECYSTECTOMY.....	0.38	0.39	0.01	0.97	0.03						
HYSTERECTOMY.....	0.14	0.17	0.01	0.85	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

JERSEY CITY, NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	13,403	9.1	9.3	0.3	15.0	14.2	0.4	19.1	18.1	0.4
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	355	30.7	28.9	3.0	36.9	32.2	2.9	39.2	35.6	2.8
CONGESTIVE HEART FAILURE.....	848	14.2	15.2	1.6	24.8	23.5	1.6	32.4	30.4	1.9
PNEUMONIA/INFLUENZA.....	480	13.3	16.2	2.1	21.9	21.9	1.9	26.0	26.5	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	325	5.5	10.1	2.5	11.4	16.3	2.9	16.9	21.5	2.9
TRANSIENT CEREBRAL ISCHEMIA.....	382	1.6	1.9	0.8	5.2	4.2	1.4	7.9	6.6	2.3
STROKE.....	499	19.0	19.2	1.9	28.3	26.0	2.4	33.7	30.4	3.1
HIP FRACTURE.....	262	6.1	7.2	1.7	14.9	12.6	2.5	18.3	16.1	3.0
SEPSIS.....	122	28.7	28.9	4.7	38.5	37.4	4.6	45.9	43.6	5.6
PROCEDURES:										
ANGIOPLASTY.....	1	0.0	7.9	*	0.0	12.3	*	100.0	14.8	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	87	6.9	3.7	3.0	13.8	7.3	4.3	17.2	10.5	5.4
CAROTID ENOARTERECTOMY.....	34	2.9	1.5	*	5.9	2.9	*	5.9	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	126	5.6	4.9	2.5	9.5	8.9	2.6	12.7	11.7	4.3
OPEN REDUCTION OF HIP FRACTURE.....	153	4.6	6.9	2.4	13.7	12.6	3.0	18.3	16.3	3.2
PROSTATECTOMY.....	526	1.1	1.1	0.5	3.2	2.7	0.8	4.9	4.4	0.9
CHOLECYSTECTOMY.....	214	5.1	3.8	1.9	6.1	6.8	1.8	8.4	8.7	2.0
HYSTERECTOMY.....	67	0.0	0.9	1.4	1.5	1.9	1.8	3.0	3.0	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 81,498						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SD,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	30.62	29.32	0.19	1.04	0.01		4.88	4.62	0.07	1.05	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.76	0.94	0.03	0.80	0.03						
CONGESTIVE HEART FAILURE.....	2.15	1.83	0.05	1.18	0.03						
PNEUMONIA/INFLUENZA.....	0.95	1.21	0.04	0.78	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.72	0.53	0.03	1.36	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.67	0.43	0.02	1.54	0.08						
STROKE.....	0.92	0.99	0.03	0.93	0.03						
HIP FRACTURE.....	0.43	0.59	0.03	0.73	0.03						
SEPSIS.....	0.29	0.34	0.02	0.84	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.22	0.02	0.85	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.34	0.02	0.88	0.05						
INITIAL PACEMAKER INSERTION.....	0.20	0.20	0.02	0.97	0.08						
CAROTID ENOARTERECTOMY.....	0.07	0.13	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.25	0.41	0.02	0.61	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.29	0.02	0.86	0.05						
PROSTATECTOMY.....	0.84	0.72	0.03	1.17	0.05						
CHOLECYSTECTOMY.....	0.37	0.46	0.02	0.80	0.04						
HYSTERECTOMY.....	0.14	0.17	0.01	0.82	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

MIDDLESEX-SOMERSET-HUNTERDON, NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	19,466	10.1	9.4	0.3	15.8	14.5	0.4	19.6	18.5	0.3
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	670	26.9	26.2	2.3	33.7	29.7	2.2	37.0	33.2	2.2
CONGESTIVE HEART FAILURE.....	951	17.5	15.8	1.3	28.2	24.4	2.0	36.9	31.3	2.4
PNEUMONIA/INFLUENZA.....	797	21.2	18.6	1.9	29.4	24.9	2.5	33.5	29.9	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	231	13.0	9.3	3.2	19.5	16.0	4.2	25.5	21.7	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	419	1.7	1.9	1.0	5.0	4.2	2.0	6.2	6.7	1.3
STROKE.....	765	20.1	20.7	1.6	28.2	27.5	1.7	31.0	31.9	1.7
HIP FRACTURE.....	384	8.9	7.4	2.0	15.4	13.1	3.7	19.3	16.8	3.9
SEPSIS.....	234	27.4	29.6	3.2	37.6	38.3	3.6	43.6	44.8	3.7
PROCEDURES:										
ANGIOPLASTY.....	77	0.0	2.3	3.0	0.0	3.2	4.2	2.6	4.2	3.5
CORONARY ARTERY BYPASS GRAFT.....	92	6.5	5.6	2.6	9.8	8.2	3.5	9.8	9.8	3.1
INITIAL PACEMAKER INSERTION.....	188	4.3	4.4	2.1	7.4	8.2	2.2	11.7	11.4	2.4
CAROTID ENDOARTERECTOMY.....	109	0.9	1.4	1.2	1.8	2.6	1.9	3.7	3.8	2.0
HIP REPLACEMENT/RECONSTRUCTION.....	282	4.6	3.6	1.5	8.5	6.9	2.1	10.6	9.3	2.7
OPEN REDUCTION OF HIP FRACTURE.....	201	6.5	6.8	1.9	11.9	12.5	2.4	16.9	16.3	2.7
PROSTATECTOMY.....	608	0.3	1.1	0.6	1.3	2.5	1.0	2.6	4.1	1.3
CHOLECYSTECTOMY.....	346	1.4	2.9	1.2	4.9	5.2	1.3	6.9	6.8	1.4
HYSTERECTOMY.....	162	0.0	0.7	1.0	0.0	1.6	1.8	1.2	2.4	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 40,700						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	27.40	25.52	0.25	1.07	0.01		4.39	4.47	0.10	0.98	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.89	0.75	0.04	1.17	0.07						
CONGESTIVE HEART FAILURE.....	1.45	1.49	0.06	0.97	0.04						
PNEUMONIA/INFLUENZA.....	1.06	0.96	0.05	1.12	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.37	0.03	1.09	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.49	0.36	0.03	1.37	0.12						
STROKE.....	0.97	0.85	0.05	1.13	0.06						
HIP FRACTURE.....	0.54	0.58	0.04	0.91	0.06						
SEPSIS.....	0.32	0.33	0.03	0.97	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.24	0.02	0.78	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.34	0.03	1.00	0.09						
INITIAL PACEMAKER INSERTION.....	0.18	0.18	0.02	0.90	0.12						
CAROTID ENDOARTERECTOMY.....	0.13	0.10	0.02	1.00	0.19						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.41	0.03	0.95	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.03	0.93	0.09						
PROSTATECTOMY.....	0.73	0.71	0.04	1.00	0.06						
CHOLECYSTECTOMY.....	0.37	0.36	0.03	1.09	0.10						
HYSTERECTOMY.....	0.13	0.16	0.02	0.89	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

MONMOUTH-OCEAN, NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	30,405	10.6	10.1	0.3	16.3	15.4	0.4	20.3	19.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,041	27.6	28.7	1.5	32.8	32.0	1.6	35.4	35.4	1.5
CONGESTIVE HEART FAILURE.....	1,971	15.3	16.1	0.9	25.8	24.7	1.1	33.4	31.7	1.3
PNEUMONIA/INFLUENZA.....	1,248	23.2	19.8	1.6	31.6	26.6	2.1	36.1	31.7	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	506	10.5	9.2	1.9	18.6	15.6	2.9	24.1	21.0	3.3
TRANSIENT CEREBRAL ISCHEMIA.....	713	2.2	2.1	0.6	5.9	4.7	1.1	9.1	7.4	1.4
STROKE.....	1,347	18.8	21.2	1.3	26.8	28.1	1.3	32.6	32.6	1.4
HIP FRACTURE.....	800	7.6	7.3	1.5	14.2	12.9	2.3	18.0	16.7	2.5
SEPSIS.....	440	30.5	31.3	2.3	42.7	39.8	3.3	47.7	46.5	2.8
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	209	2.9	3.8	2.3	5.7	7.2	2.7	9.6	10.5	2.4
CAROTID ENDARTERECTOMY.....	127	2.4	1.7	1.3	3.1	3.1	1.9	5.5	4.6	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	443	4.5	3.8	1.1	9.5	7.1	1.7	11.5	9.4	1.6
OPEN REDUCTION OF HIP FRACTURE.....	346	6.6	6.9	1.4	13.0	12.8	2.4	15.6	16.8	2.5
PROSTATECTOMY.....	952	0.6	1.0	0.5	2.8	2.5	0.9	3.7	4.2	0.9
CHOLECYSTECTOMY.....	560	3.9	3.4	1.1	7.3	6.0	1.5	8.9	7.7	1.9
HYSTERECTOMY.....	202	0.5	1.0	1.0	1.5	2.2	1.6	2.0	3.2	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 185,182						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.87	26.65	0.12	1.08	0.00		4.63	4.43	0.05	1.04	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.94	0.89	0.02	1.06	0.03						
CONGESTIVE HEART FAILURE.....	1.96	1.59	0.03	1.23	0.02						
PNEUMONIA/INFLUENZA.....	1.01	1.07	0.02	0.94	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.44	0.02	1.07	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.54	0.40	0.01	1.33	0.05						
STROKE.....	0.99	0.90	0.02	1.09	0.03						
HIP FRACTURE.....	0.57	0.59	0.02	0.97	0.03						
SEPSIS.....	0.41	0.32	0.01	1.29	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.24	0.01	0.81	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.37	0.01	1.03	0.04						
INITIAL PACEMAKER INSERTION.....	0.20	0.20	0.01	0.94	0.05						
CAROTID ENDARTERECTOMY.....	0.14	0.13	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.44	0.01	0.85	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.29	0.01	0.87	0.04						
PROSTATECTOMY.....	0.73	0.80	0.02	0.90	0.02						
CHOLECYSTECTOMY.....	0.40	0.43	0.01	0.94	0.03						
HYSTERECTOMY.....	0.16	0.17	0.01	0.91	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

NEWARK, NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	50,074	9.1	9.1	0.1	14.8	14.0	0.3	18.7	17.9	0.2
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,393	27.5	28.1	1.3	32.7	31.5	1.6	35.5	35.0	1.4
CONGESTIVE HEART FAILURE.....	2,773	14.9	15.2	0.7	24.2	23.6	0.9	31.0	30.4	1.0
PNEUMONIA/INFLUENZA.....	1,733	20.9	18.2	1.4	27.8	24.4	1.6	31.9	29.2	1.5
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	620	7.3	9.1	1.6	12.9	15.3	1.9	17.4	20.5	2.3
TRANSIENT CEREBRAL ISCHEMIA.....	1,061	1.6	2.0	0.6	4.1	4.5	0.8	6.2	7.2	1.3
STROKE.....	1,775	20.1	21.0	1.1	29.1	27.8	1.1	34.4	32.3	1.3
HIP FRACTURE.....	1,099	7.5	7.0	1.1	13.9	12.4	1.9	17.4	16.1	2.3
SEPSIS.....	624	27.7	30.0	2.3	41.8	38.4	2.6	47.0	44.6	2.2
PROCEQURES:										
ANGIOPLASTY.....	270	3.0	2.2	1.0	3.7	3.1	1.1	4.4	4.1	1.2
CORONARY ARTERY BYPASS GRAFT.....	417	7.9	5.7	2.0	12.0	8.6	2.4	14.1	10.3	2.5
INITIAL PACEMAKER INSERTION.....	470	4.7	3.8	1.3	8.5	7.2	2.2	11.9	10.3	2.5
CAROTIO ENOARTERECTOMY.....	127	4.7	1.4	2.4	7.1	2.7	2.7	7.9	4.0	2.9
HIP REPLACEMENT/RECONSTRUCTION.....	683	4.1	3.7	0.8	8.3	7.1	1.3	11.3	9.6	1.7
OPEN REDUCTION OF HIP FRACTURE.....	589	6.5	6.6	1.2	11.5	12.3	2.0	15.1	16.1	2.1
PROSTATECTOMY.....	1,845	1.1	1.1	0.5	3.5	2.7	0.5	4.7	4.5	0.5
CHOLECYSTECTOMY.....	705	4.0	3.1	0.8	7.1	5.5	1.1	8.9	7.2	1.4
HYSTERECTOMY.....	346	2.0	1.0	1.1	2.9	2.1	1.0	3.5	3.2	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 203,892						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.54	26.78	0.11	1.10	0.00		4.94	4.70	0.05	1.05	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.77	0.76	0.02	1.02	0.03						
CONGESTIVE HEART FAILURE.....	2.01	1.68	0.03	1.20	0.02						
PNEUMONIA/INFLUENZA.....	0.91	0.97	0.02	0.94	0.02						
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.44	0.39	0.01	1.12	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.55	0.37	0.01	1.50	0.05						
STROKE.....	0.98	0.95	0.02	1.03	0.02						
HIP FRACTURE.....	0.53	0.57	0.02	0.92	0.03						
SEPSIS.....	0.40	0.39	0.01	1.02	0.04						
PROCEQURES:											
ANGIOPLASTY.....	0.18	0.23	0.01	0.77	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.33	0.01	0.92	0.04						
INITIAL PACEMAKER INSERTION.....	0.24	0.19	0.01	1.27	0.06						
CAROTIO ENOARTERECTOMY.....	0.07	0.10	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.38	0.01	0.86	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.01	0.97	0.04						
PROSTATECTOMY.....	0.84	0.72	0.02	1.16	0.03						
CHOLECYSTECTOMY.....	0.31	0.35	0.01	0.88	0.03						
HYSTERECTOMY.....	0.15	0.15	0.01	0.95	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

PHILADELPHIA, PA-NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	143,193	8.9	9.3	0.1	14.4	14.3	0.2	18.2	18.2	0.1
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	4,304	23.3	26.7	0.7	28.1	30.2	1.0	31.1	33.7	0.8
CONGESTIVE HEART FAILURE.....	7,906	12.6	15.5	0.5	21.6	24.1	0.6	28.8	31.0	0.6
PNEUMONIA/INFLUENZA.....	4,891	17.3	17.6	0.8	24.5	23.7	0.8	29.4	28.5	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	2,339	7.4	8.7	0.8	14.3	14.9	0.8	20.0	20.3	0.9
TRANSIENT CEREBRAL ISCHEMIA.....	2,730	1.6	1.8	0.4	4.0	4.1	0.4	6.3	6.6	0.6
STROKE.....	5,522	18.4	20.0	0.7	25.8	26.9	0.7	30.3	31.3	0.7
HIP FRACTURE.....	3,136	6.5	7.1	0.6	12.9	12.7	0.7	16.6	16.5	0.7
SEPSIS.....	1,920	30.6	29.1	1.8	43.3	37.7	1.2	49.7	44.0	1.4
PROCEDURES:										
ANGIOPLASTY.....	850	1.6	2.7	0.9	2.6	3.6	1.0	3.5	4.7	1.1
CORONARY ARTERY BYPASS GRAFT.....	1,904	7.1	5.6	1.5	9.7	8.4	1.2	11.1	10.2	1.2
INITIAL PACEMAKER INSERTION.....	1,032	2.4	3.8	1.2	6.2	7.1	1.4	9.0	10.2	1.5
CAROTIO ENDARTERECTOMY.....	460	2.0	1.5	0.6	4.8	2.8	1.2	6.3	4.1	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	2,048	2.9	3.3	0.5	6.8	6.4	0.7	9.1	8.7	1.1
OPEN REDUCTION OF HIP FRACTURE.....	1,739	6.1	6.6	0.7	12.6	12.3	0.9	16.3	16.0	1.1
PROSTATECTOMY.....	4,424	1.2	1.1	0.3	3.0	2.7	0.4	4.9	4.4	0.4
CHOLECYSTECTOMY.....	2,035	2.9	3.2	0.6	5.5	5.7	0.6	7.2	7.4	0.6
HYSTERECTOMY.....	934	1.1	0.9	0.3	2.1	2.0	0.6	2.8	3.0	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 724,924						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.53	28.44	0.06	1.07	0.00		4.94	4.68	0.02	1.06	0.01
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.94	0.85	0.01	1.11	0.01						
CONGESTIVE HEART FAILURE.....	2.11	1.76	0.02	1.20	0.01						
PNEUMONIA/INFLUENZA.....	1.04	1.11	0.01	0.94	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.59	0.47	0.01	1.27	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.53	0.42	0.01	1.25	0.02						
STROKE.....	1.07	0.99	0.01	1.08	0.01						
HIP FRACTURE.....	0.59	0.58	0.01	1.02	0.02						
SEPSIS.....	0.45	0.38	0.01	1.19	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.23	0.01	0.85	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.34	0.01	1.05	0.02						
INITIAL PACEMAKER INSERTION.....	0.20	0.20	0.00	**	**						
CAROTIO ENOARTERECTOMY.....	0.09	0.11	0.00	1.00	0.04						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.39	0.01	0.90	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.29	0.01	1.10	0.02						
PROSTATECTOMY.....	0.78	0.74	0.01	1.06	0.01						
CHOLECYSTECTOMY.....	0.35	0.41	0.01	0.85	0.02						
HYSTERECTOMY.....	0.15	0.16	0.00	0.91	0.03						

** QUANTITIES COULD NOT BE ESTIMATED

TRENTON, NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	11,440	9.3	9.3	0.3	14.7	14.2	0.5	18.2	18.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	417	26.6	28.2	2.4	32.1	31.6	2.3	34.8	35.0	2.4
CONGESTIVE HEART FAILURE.....	615	13.8	15.2	2.1	22.8	23.6	2.0	29.4	30.5	3.1
PNEUMONIA/INFLUENZA.....	424	24.8	18.3	3.0	30.4	24.6	3.1	35.1	29.5	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	143	9.1	11.1	3.1	18.2	18.3	3.2	25.2	24.2	3.7
TRANSIENT CEREBRAL ISCHEMIA.....	289	2.1	2.0	1.2	4.2	4.3	1.6	6.6	6.8	1.5
STROKE.....	421	18.8	21.2	3.9	25.9	28.0	3.7	30.6	32.5	3.7
HIP FRACTURE.....	222	6.8	7.1	1.8	12.2	12.6	2.5	15.3	16.1	2.8
SEPSIS.....	96	32.3	30.3	7.6	42.7	38.8	6.4	46.9	45.1	5.9
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	131	6.1	3.9	1.9	6.1	6.9	2.6	8.4	9.6	2.6
CAROTID ENDARTERECTOMY.....	65	0.0	1.5	2.2	0.0	2.9	3.7	3.1	4.2	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	123	3.3	3.4	1.9	5.7	6.4	2.7	7.3	8.5	3.1
OPEN REDUCTION OF HIP FRACTURE.....	129	4.7	6.5	2.7	10.9	12.0	3.9	14.0	15.5	3.8
PROSTATECTOMY.....	423	1.4	1.1	0.9	2.6	2.7	1.0	4.3	4.6	1.1
CHOLECYSTECTOMY.....	183	2.7	2.8	1.6	2.7	5.1	2.7	4.4	6.6	2.9
HYSTERECTOMY.....	74	0.0	0.6	1.2	1.4	1.3	1.3	1.4	1.9	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 49,568						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.80	27.50	0.24	1.16	0.01		4.79	4.63	0.10	1.03	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.05	0.80	0.04	1.31	0.07						
CONGESTIVE HEART FAILURE.....	2.11	1.67	0.06	1.26	0.04						
PNEUMONIA/INFLUENZA.....	1.14	1.06	0.05	1.07	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.45	0.03	0.94	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.68	0.37	0.03	1.82	0.13						
STROKE.....	0.99	0.92	0.04	1.08	0.05						
HIP FRACTURE.....	0.49	0.57	0.03	0.86	0.05						
SEPSIS.....	0.30	0.36	0.03	0.84	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.24	0.02	0.81	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.33	0.03	1.04	0.08						
INITIAL PACEMAKER INSERTION.....	0.28	0.19	0.02	1.51	0.16						
CAROTID ENDARTERECTOMY.....	0.19	0.12	0.02	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.31	0.38	0.03	0.82	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.02	0.97	0.08						
PROSTATECTOMY.....	0.84	0.70	0.04	1.20	0.06						
CHOLECYSTECTOMY.....	0.41	0.39	0.03	1.05	0.08						
HYSTERECTOMY.....	0.17	0.16	0.02	1.05	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

VINELAND-MILLVILLE-BRIOGETON, NJ
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,880	10.9	9.8	0.8	16.4	15.0	1.0	20.3	19.1	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	113	36.3	27.6	5.6	37.2	30.9	5.0	38.1	34.3	4.8
CONGESTIVE HEART FAILURE.....	255	16.1	15.3	2.3	26.7	23.6	4.3	32.9	30.4	4.9
PNEUMONIA/INFLUENZA.....	120	21.7	17.4	7.6	27.5	23.5	7.3	32.5	28.3	7.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	48	6.3	8.1	*	20.8	14.2	*	25.0	19.9	*
TRANSIENT CEREBRAL ISCHEMIA.....	74	5.4	1.8	3.6	8.1	3.9	4.7	9.5	6.2	4.7
STROKE.....	165	20.0	20.0	3.7	26.7	26.5	5.0	30.3	30.8	4.4
HIP FRACTURE.....	85	10.6	8.1	3.3	11.8	14.2	4.1	16.5	18.3	4.6
SEPSIS.....	64	29.7	30.2	8.4	45.3	38.4	10.0	53.1	45.2	10.7
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	39	0.0	3.4	*	5.1	6.1	*	12.8	8.5	*
CAROTID ENDARTERECTOMY.....	7	0.0	1.1	*	14.3	2.0	*	14.3	2.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	39	10.3	4.4	*	12.8	8.8	*	15.4	12.3	*
OPEN REDUCTION OF HIP FRACTURE.....	56	7.1	7.5	3.8	7.1	13.6	6.6	12.5	17.5	7.2
PROSTATECTOMY.....	70	0.0	1.4	2.4	4.3	3.1	2.4	7.1	5.0	3.6
CHOLECYSTECTOMY.....	77	1.3	3.0	2.8	2.6	5.1	3.3	6.5	6.5	2.8
HYSTERECTOMY.....	15	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 22,254						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.79	28.37	0.36	1.05	0.01		4.64	4.44	0.14	1.04	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.85	0.06	1.08	0.08						
CONGESTIVE HEART FAILURE.....	2.18	1.71	0.09	1.27	0.07						
PNEUMONIA/INFLUENZA.....	0.77	1.15	0.07	0.66	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.50	0.05	0.92	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.53	0.37	0.04	1.44	0.16						
STROKE.....	1.01	0.93	0.06	1.06	0.07						
HIP FRACTURE.....	0.54	0.53	0.05	1.07	0.10						
SEPSIS.....	0.35	0.34	0.04	1.04	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.09	0.22	0.03	0.42	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.33	0.04	1.18	0.14						
INITIAL PACEMAKER INSERTION.....	0.25	0.18	0.03	1.41	0.23						
CAROTID ENDARTERECTOMY.....	0.07	0.12	0.02	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.36	0.04	1.03	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.34	0.26	0.03	1.35	0.18						
PROSTATECTOMY.....	0.49	0.70	0.06	0.69	0.06						
CHOLECYSTECTOMY.....	0.40	0.43	0.04	0.88	0.09						
HYSTERECTOMY.....	0.12	0.17	0.03	0.67	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

NJ-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	126	1.6	2.4	1.6	4.0	5.7	2.9	10.3	9.2	3.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0									
CONGESTIVE HEART FAILURE.....	0									
PNEUMONIA/INFLUENZA.....	0									
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0									
TRANSIENT CEREBRAL ISCHEMIA.....	0									
STROKE.....	2	0.0	14.1	*	0.0	20.2	*	0.0	24.4	*
HIP FRACTURE.....	3	0.0	2.8	*	0.0	5.9	*	0.0	8.5	*
SEPSIS.....	0									
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	0									
CAROTID ENDARTERECTOMY.....	0									
HIP REPLACEMENT/RECONSTRUCTION.....	0									
OPEN REDUCTION OF HIP FRACTURE.....	0									
PROSTATECTOMY.....	0									
CHOLECYSTECTOMY.....	0									
HYSTERECTOMY.....	0									

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

ALBUQUERQUE, NM
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,922	7.7	7.6	0.3	11.7	11.7	0.4	14.8	15.0	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	369	16.5	23.1	2.8	18.7	26.3	3.0	20.1	29.7	3.4
CONGESTIVE HEART FAILURE.....	352	10.8	13.6	2.9	19.6	21.4	4.1	25.6	28.0	2.8
PNEUMONIA/INFLUENZA.....	439	16.2	13.9	2.9	21.6	19.3	3.9	25.1	23.6	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	143	5.6	7.4	2.7	11.9	12.6	2.8	18.2	17.1	3.2
TRANSIENT CEREBRAL ISCHEMIA.....	100	1.0	1.6	3.1	6.0	3.7	2.6	7.0	5.9	2.6
STROKE.....	270	24.1	20.5	4.5	30.0	26.8	4.2	33.7	31.2	3.5
HIP FRACTURE.....	304	6.3	5.4	1.6	11.2	10.1	1.9	14.8	13.5	2.2
SEPSIS.....	76	28.9	26.6	5.4	42.1	34.1	8.7	46.1	40.2	7.5
PROCEDURES:										
ANGIPLASTY.....	212	2.4	4.1	1.8	2.4	5.2	2.2	2.4	6.4	3.1
CORONARY ARTERY BYPASS GRAFT.....	213	4.7	4.7	2.1	5.2	6.6	2.5	6.1	7.8	3.2
INITIAL PACEMAKER INSERTION.....	73	0.0	2.6	3.2	2.7	4.9	3.2	4.1	7.1	4.0
CARDIAC ENDARTERECTOMY.....	38	5.3	1.3	*	5.3	2.5	*	5.3	3.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	233	2.1	2.6	1.5	5.2	5.0	1.4	6.4	7.0	1.9
OPEN REDUCTION OF HIP FRACTURE.....	146	6.8	5.0	2.2	11.0	9.8	4.1	17.1	13.2	4.8
PROSTATECTOMY.....	324	0.0	0.8	0.8	1.2	1.9	1.3	2.2	3.2	1.6
CHOLECYSTECTOMY.....	250	3.6	2.7	1.3	6.4	4.9	1.9	7.2	6.6	1.9
HYSTERECTOMY.....	98	2.0	0.7	1.4	2.0	1.5	2.0	3.1	2.3	2.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 55,033						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	20.31	27.43	0.22	0.74	0.01		3.87	4.47	0.09	0.86	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.60	0.88	0.04	0.68	0.03						
CONGESTIVE HEART FAILURE.....	0.87	1.62	0.05	0.54	0.02						
PNEUMONIA/INFLUENZA.....	0.90	1.20	0.05	0.75	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.30	0.54	0.03	0.56	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.19	0.41	0.03	0.45	0.03						
STROKE.....	0.47	0.87	0.04	0.54	0.02						
HIP FRACTURE.....	0.54	0.57	0.03	0.96	0.05						
SEPSIS.....	0.17	0.32	0.02	0.54	0.04						
PROCEDURES:											
ANGIPLASTY.....	0.28	0.27	0.02	1.04	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.26	0.37	0.03	0.71	0.05						
INITIAL PACEMAKER INSERTION.....	0.09	0.19	0.02	0.48	0.05						
CARDIAC ENDARTERECTOMY.....	0.07	0.14	0.02	1.00	0.11						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.41	0.03	0.85	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.27	0.02	0.92	0.07						
PROSTATECTOMY.....	0.51	0.76	0.04	0.68	0.03						
CHOLECYSTECTOMY.....	0.43	0.46	0.03	0.95	0.06						
HYSTERECTOMY.....	0.15	0.18	0.02	0.85	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

LAS CRUZE, NM
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	2,324	7.1	7.7	0.9	11.1	12.1	1.1	14.4	15.7	1.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	41	26.8	22.8	*	26.8	25.9	*	26.8	29.3	*
CONGESTIVE HEART FAILURE.....	72	15.3	14.4	4.4	20.8	22.4	5.7	26.4	29.0	5.8
PNEUMONIA/INFLUENZA.....	112	14.3	16.6	4.1	21.4	22.8	4.6	25.0	27.6	5.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	38	7.9	6.8	*	10.5	12.4	*	18.4	17.2	*
TRANSIENT CEREBRAL ISCHEMIA.....	41	4.9	1.9	*	7.3	4.3	*	7.3	6.8	*
STROKE.....	70	17.1	20.9	5.8	27.1	26.8	5.3	31.4	31.2	5.8
HIP FRACTURE.....	80	5.0	5.2	2.5	7.5	9.5	3.8	12.5	12.6	3.7
SEPSIS.....	23	26.1	26.6	*	34.8	35.1	*	39.1	41.8	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	13	0.0	2.5	*	0.0	5.1	*	0.0	7.6	*
CAROTID ENDARTERECTOMY.....	9	0.0	1.8	*	11.1	3.8	*	11.1	5.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	49	2.0	2.8	*	2.0	5.6	*	2.0	7.9	*
OPEN REDUCTION OF HIP FRACTURE.....	51	3.9	4.8	3.6	7.8	9.2	4.1	15.7	12.3	5.6
PROSTATECTOMY.....	160	1.2	1.4	1.1	3.8	3.1	1.5	5.0	5.0	1.7
CHOLECYSTECTOMY.....	59	0.0	2.9	3.1	1.7	5.1	4.0	3.4	6.6	4.1
HYSTERECTOMY.....	17	0.0	0.7	*	0.0	1.4	*	0.0	2.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 13,246						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	27.43	28.16	0.46	0.97	0.02		3.87	4.33	0.18	0.89	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.67	0.97	0.09	0.65	0.06						
CONGESTIVE HEART FAILURE.....	1.28	1.61	0.11	0.79	0.05						
PNEUMONIA/INFLUENZA.....	1.35	1.35	0.10	0.98	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.47	0.59	0.07	0.85	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.43	0.06	1.02	0.14						
STROKE.....	0.71	0.89	0.08	0.80	0.08						
HIP FRACTURE.....	0.55	0.53	0.06	1.05	0.13						
SEPSIS.....	0.29	0.31	0.05	1.02	0.17						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.28	0.05	0.72	0.13						
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.40	0.06	0.85	0.13						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.04	0.74	0.17						
CAROTID ENDARTERECTOMY.....	0.11	0.15	0.04	1.00	0.25						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.42	0.06	0.86	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.26	0.04	1.32	0.25						
PROSTATECTOMY.....	1.00	0.85	0.08	1.14	0.11						
CHOLECYSTECTOMY.....	0.48	0.50	0.06	0.92	0.12						
HYSTERECTOMY.....	0.17	0.18	0.04	1.02	0.24						

** QUANTITIES COULD NOT BE ESTIMATED

SANTA FE, NM
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,349	7.7	7.6	1.0	12.9	11.7	1.0	15.7	15.1	1.1
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	57	21.1	26.1	6.9	31.6	29.2	6.5	33.3	32.5	7.4
CONGESTIVE HEART FAILURE.....	82	22.0	13.8	5.8	25.6	21.4	5.3	28.0	27.8	5.0
PNEUMONIA/INFLUENZA.....	149	9.4	15.3	4.1	16.8	21.1	5.0	17.4	25.7	5.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	35	5.7	6.7	*	11.4	11.9	*	11.4	16.6	*
TRANSIENT CEREBRAL ISCHEMIA.....	11	0.0	1.5	*	9.1	3.3	*	9.1	5.2	*
STROKE.....	60	30.0	22.0	8.2	35.0	28.7	7.4	35.0	33.3	6.8
HIP FRACTURE.....	81	1.2	5.8	4.7	13.6	10.6	5.7	16.0	14.1	4.8
SEPSIS.....	18	27.8	28.3	*	44.4	35.8	*	50.0	42.3	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	12	0.0	3.3	*	0.0	6.2	*	0.0	8.9	*
CAROTID ENOARTERECTOMY.....	13	7.7	2.0	*	7.7	4.0	*	7.7	5.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	53	1.9	2.7	4.5	11.3	5.3	5.2	13.2	7.3	6.3
OPEN REDUCTION OF HIP FRACTURE.....	26	0.0	5.8	*	19.2	11.2	*	23.1	15.0	*
PROSTATECTOMY.....	122	1.6	0.7	1.1	2.5	1.8	1.4	4.1	3.2	1.9
CHOLECYSTECTOMY.....	75	4.0	3.0	2.2	6.7	5.5	3.2	8.0	7.3	3.5
HYSTERECTOMY.....	18	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 12,025						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.87	26.24	0.47	0.87	0.02		4.04	4.41	0.19	0.92	0.04
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.72	0.85	0.08	0.85	0.09						
CONGESTIVE HEART FAILURE.....	0.80	1.51	0.11	0.53	0.04						
PNEUMONIA/INFLUENZA.....	1.26	1.15	0.10	1.11	0.10						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.48	0.06	0.93	0.13						
TRANSIENT CEREBRAL ISCHEMIA.....	0.14	0.39	0.06	0.37	0.06						
STROKE.....	0.57	0.83	0.08	0.69	0.07						
HIP FRACTURE.....	0.54	0.57	0.07	0.99	0.12						
SEPSIS.....	0.24	0.31	0.05	0.85	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.12	0.27	0.05	0.44	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.18	0.38	0.06	0.49	0.08						
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.04	0.81	0.18						
CAROTID ENOARTERECTOMY.....	0.09	0.13	0.03	1.00	0.28						
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.42	0.06	1.26	0.18						
OPEN REDUCTION OF HIP FRACTURE.....	0.17	0.27	0.05	0.61	0.11						
PROSTATECTOMY.....	0.79	0.77	0.08	1.01	0.11						
CHOLECYSTECTOMY.....	0.57	0.43	0.06	1.39	0.20						
HYSTERECTOMY.....	0.13	0.17	0.04	0.72	0.17						

** QUANTITIES COULD NOT BE ESTIMATED

NM-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	13,690	10.0	9.3	0.3	14.6	13.9	0.4	17.4	17.7	0.4
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	411	29.9	24.5	3.0	33.1	27.6	2.8	34.3	31.0	2.8
CONGESTIVE HEART FAILURE.....	608	12.0	14.2	2.4	19.9	22.1	3.3	25.7	28.8	3.6
PNEUMONIA/INFLUENZA.....	1,207	14.3	15.1	1.2	19.5	20.8	1.4	23.0	25.4	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	271	8.9	7.0	3.5	15.1	12.4	3.9	19.2	17.1	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	206	1.9	1.8	1.0	4.9	3.9	1.6	7.3	6.3	1.9
STROKE.....	442	24.4	20.9	2.7	30.5	27.2	2.7	34.6	31.6	2.6
HIP FRACTURE.....	314	3.8	6.2	2.2	8.9	11.4	3.4	11.1	15.0	3.7
SEPSIS.....	190	23.7	25.5	3.4	27.9	32.8	3.6	30.5	38.7	4.1
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	34	2.9	2.9	*	2.9	5.7	*	5.9	8.5	*
CAROTID ENDARTERECTOMY.....	32	3.1	1.5	*	12.5	3.0	*	12.5	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	161	1.9	3.6	2.0	5.0	7.0	3.2	5.6	9.7	3.8
OPEN REDUCTION OF HIP FRACTURE.....	167	4.2	5.6	2.4	7.8	10.5	4.2	10.2	14.0	4.5
PROSTATECTOMY.....	379	0.8	0.9	0.5	0.8	2.1	1.4	2.6	3.6	1.8
CHOLECYSTECTOMY.....	346	4.0	3.0	1.5	6.1	5.3	1.8	7.5	6.9	2.0
HYSTERECTOMY.....	80	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 100,939						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.18	28.71	0.17	1.02	0.01		4.23	4.51	0.07	0.94	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.98	0.03	0.91	0.03						
CONGESTIVE HEART FAILURE.....	1.32	1.65	0.04	0.81	0.02						
PNEUMONIA/INFLUENZA.....	2.02	1.47	0.04	1.37	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.55	0.60	0.02	0.95	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.33	0.43	0.02	1.00	0.05						
STROKE.....	0.80	0.90	0.03	0.92	0.03						
HIP FRACTURE.....	0.65	0.56	0.02	1.17	0.05						
SEPSIS.....	0.35	0.32	0.02	1.11	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.27	0.02	0.95	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.26	0.39	0.02	0.70	0.04						
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.01	0.64	0.05						
CAROTID ENDARTERECTOMY.....	0.11	0.14	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.43	0.02	1.04	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.27	0.02	1.19	0.08						
PROSTATECTOMY.....	0.80	0.85	0.03	0.92	0.03						
CHOLECYSTECTOMY.....	0.59	0.51	0.02	1.16	0.05						
HYSTERECTOMY.....	0.15	0.18	0.01	0.87	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

LAS VEGAS, NV
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	15,140	10.1	9.2	0.3	15.0	13.7	0.5	18.4	17.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	535	27.1	23.5	3.4	30.5	26.3	3.4	32.9	29.3	3.5
CONGESTIVE HEART FAILURE.....	755	13.0	13.5	1.6	22.4	21.0	2.3	28.1	27.4	1.7
PNEUMONIA/INFLUENZA.....	564	15.2	14.6	1.9	20.9	19.9	2.2	24.6	24.1	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	324	10.5	8.0	2.7	14.5	13.4	2.7	19.8	18.1	2.9
TRANSIENT CEREBRAL ISCHEMIA.....	233	1.7	1.7	0.9	3.9	3.6	1.2	6.0	5.7	1.5
STROKE.....	557	19.6	18.8	1.9	24.8	24.9	2.1	28.4	29.0	2.0
HIP FRACTURE.....	362	4.4	6.2	2.2	8.8	10.8	2.6	11.6	13.8	3.2
SEPSIS.....	194	26.8	27.5	4.6	33.0	36.1	4.4	37.6	42.5	5.5
PROCEDURES:										
ANGIOPLASTY.....	261	4.6	3.7	1.3	6.5	4.7	1.7	7.7	5.8	1.9
CORONARY ARTERY BYPASS GRAFT.....	355	9.6	6.0	2.1	13.2	8.2	2.8	13.5	9.5	2.5
INITIAL PACEMAKER INSERTION.....	122	4.1	3.4	1.7	4.1	6.3	2.6	6.6	8.9	3.2
CAROTID ENDOARTERECTOMY.....	127	0.0	1.4	1.5	1.6	2.6	1.7	3.1	3.8	2.0
HIP REPLACEMENT/RECONSTRUCTION.....	298	3.0	3.5	1.1	6.7	6.3	1.5	8.7	8.2	2.1
OPEN REDUCTION OF HIP FRACTURE.....	198	2.5	5.5	2.2	5.6	10.1	3.1	7.6	13.1	3.9
PROSTATECTOMY.....	643	0.5	0.9	0.4	0.9	2.1	0.8	2.0	3.6	1.1
CHOLECYSTECTOMY.....	302	5.3	2.7	1.5	8.6	4.8	2.0	9.6	6.2	2.1
HYSTERECTOMY.....	121	0.0	0.9	1.1	0.0	1.8	1.9	0.8	2.7	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 81,259					MORTALITY				
	ADMISSION									
	OBS,%	PREO,%	SD,%	REL	SE	OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	25.14	25.85	0.18	0.97	0.01	4.18	3.90	0.07	1.07	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.71	0.86	0.03	0.83	0.03					
CONGESTIVE HEART FAILURE.....	1.42	1.50	0.04	0.94	0.03					
PNEUMONIA/INFLUENZA.....	0.91	0.98	0.03	0.93	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.68	0.52	0.02	1.32	0.06					
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.39	0.02	0.83	0.05					
STROKE.....	0.78	0.84	0.03	0.93	0.03					
HIP FRACTURE.....	0.50	0.43	0.02	1.16	0.06					
SEPSIS.....	0.37	0.31	0.02	1.17	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.36	0.32	0.02	1.11	0.07					
CORONARY ARTERY BYPASS GRAFT.....	0.49	0.43	0.02	1.14	0.06					
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.93	0.07					
CAROTID ENDOARTERECTOMY.....	0.17	0.17	0.01	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.36	0.02	1.17	0.07					
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.22	0.02	1.22	0.09					
PROSTATECTOMY.....	0.94	0.86	0.03	1.09	0.04					
CHOLECYSTECTOMY.....	0.43	0.45	0.02	0.95	0.05					
HYSTERECTOMY.....	0.16	0.17	0.01	0.97	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

RENO, NV
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PRED	SO	OBS	PREO	SO
ALL CAUSES.....	6,434	9.1	8.8	0.4	13.4	13.3	0.5	16.7	16.9	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	271	24.7	24.3	2.6	28.8	27.3	3.0	30.6	30.5	2.9
CONGESTIVE HEART FAILURE.....	240	16.2	14.5	3.9	26.2	22.6	5.6	32.1	29.3	4.4
PNEUMONIA/INFLUENZA.....	236	12.7	14.5	2.4	16.1	19.8	3.0	17.8	24.1	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	91	5.5	9.6	5.3	9.9	15.2	6.0	14.3	20.0	5.8
TRANSIENT CEREBRAL ISCHEMIA.....	76	1.3	1.8	1.6	3.9	4.0	2.5	7.9	6.3	4.2
STROKE.....	210	20.5	19.2	3.7	26.2	25.4	3.1	30.0	29.6	3.3
HIP FRACTURE.....	183	4.9	6.2	2.1	9.3	11.0	2.9	13.7	14.2	2.6
SEPSIS.....	36	25.0	22.3	*	30.6	29.1	*	30.6	34.5	*
PROCEDURES:										
ANGIOPLASTY.....	105	4.8	5.2	2.2	5.7	6.4	2.5	6.7	7.8	2.7
CORONARY ARTERY BYPASS GRAFT.....	75	9.3	6.4	4.0	14.7	8.9	6.5	16.0	10.7	7.3
INITIAL PACEMAKER INSERTION.....	57	3.5	3.6	2.5	5.3	6.6	3.5	7.0	9.5	5.3
CAROTID ENDOARTERECTOMY.....	45	6.7	1.7	*	8.9	3.5	*	8.9	5.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	164	2.4	2.6	1.5	6.7	4.7	2.4	7.9	6.2	3.2
OPEN REDUCTION OF HIP FRACTURE.....	98	2.0	5.8	3.6	4.1	10.7	5.4	9.2	14.0	5.1
PROSTATECTOMY.....	234	2.1	1.0	1.1	3.0	2.4	1.2	3.4	3.9	1.4
CHOLECYSTECTOMY.....	145	4.8	3.2	2.1	5.5	5.6	2.2	8.3	7.3	2.5
HYSTERECTOMY.....	42	0.0	0.8	*	0.0	1.8	*	2.4	2.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 28,972					MORTALITY				
	ADMISSION									
	OBS,%	PREO,%	SO,%	REL	SE	OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	23.76	25.64	0.30	0.93	0.01	4.13	4.07	0.12	1.01	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.79	0.86	0.05	0.92	0.06					
CONGESTIVE HEART FAILURE.....	1.15	1.46	0.07	0.78	0.04					
PNEUMONIA/INFLUENZA.....	0.93	1.03	0.06	0.91	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.49	0.04	0.90	0.07					
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.39	0.04	0.67	0.06					
STROKE.....	0.72	0.82	0.05	0.87	0.06					
HIP FRACTURE.....	0.55	0.49	0.04	1.12	0.09					
SEPSIS.....	0.14	0.30	0.03	0.48	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.29	0.31	0.03	0.93	0.10					
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.42	0.04	0.68	0.06					
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.03	0.78	0.10					
CAROTID ENDOARTERECTOMY.....	0.11	0.16	0.02	1.00	0.14					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.40	0.04	1.20	0.11					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.24	0.03	1.20	0.14					
PROSTATECTOMY.....	0.74	0.85	0.05	0.86	0.05					
CHOLECYSTECTOMY.....	0.49	0.44	0.04	1.11	0.10					
HYSTERECTOMY.....	0.14	0.17	0.02	0.83	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

NY--(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,205	10.9	9.4	1.0	15.4	13.7	1.2	18.5	17.2	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	94	20.2	28.0	8.0	23.4	31.3	7.4	30.9	34.9	6.4
CONGESTIVE HEART FAILURE.....	132	15.2	14.2	3.2	21.2	22.0	4.0	25.8	28.5	5.6
PNEUMONIA/INFLUENZA.....	181	12.2	13.8	4.1	17.7	18.8	3.7	19.9	22.9	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	53	9.4	7.5	4.0	11.3	12.4	6.7	22.6	16.8	9.4
TRANSIENT CEREBRAL ISCHEMIA.....	28	0.0	1.9	*	0.0	4.5	*	7.1	7.3	*
STROKE.....	68	35.3	19.2	7.7	42.6	25.6	8.6	47.1	30.1	8.5
HIP FRACTURE.....	68	4.4	5.4	3.1	8.8	9.7	3.7	14.7	12.7	5.0
SEPSIS.....	25	40.0	27.7	*	52.0	34.4	*	52.0	40.8	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	4	0.0	2.2	*	0.0	4.4	*	0.0	7.0	*
CAROTID ENDARTERECTOMY.....	4	25.0	1.0	*	25.0	1.8	*	25.0	2.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	22	4.5	1.5	*	4.5	2.8	*	4.5	3.9	*
OPEN REDUCTION OF HIP FRACTURE.....	27	3.7	5.7	*	7.4	10.8	*	18.5	14.2	*
PROSTATECTOMY.....	97	1.0	0.6	1.2	2.1	1.3	2.0	4.1	2.3	2.1
CHOLECYSTECTOMY.....	51	3.9	2.5	2.5	5.9	4.4	3.5	5.9	5.7	4.1
HYSTERECTOMY.....	16	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 25,424					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.59	25.95	0.32	0.91	0.01	4.32	3.99	0.13	1.08	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.05	0.91	0.06	1.16	0.08					
CONGESTIVE HEART FAILURE.....	1.22	1.47	0.08	0.85	0.04					
PNEUMONIA/INFLUENZA.....	1.22	1.08	0.06	1.15	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.50	0.05	0.99	0.09					
TRANSIENT CEREBRAL ISCHEMIA.....	0.24	0.40	0.04	0.54	0.06					
STROKE.....	0.63	0.84	0.06	0.75	0.05					
HIP FRACTURE.....	0.55	0.47	0.04	1.20	0.12					
SEPSIS.....	0.24	0.29	0.03	0.86	0.11					
PROCEDURES:										
ANGIOPLASTY.....	0.31	0.30	0.04	0.99	0.13					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.44	0.04	0.87	0.09					
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.03	0.76	0.13					
CAROTID ENDARTERECTOMY.....	0.13	0.15	0.03	1.00	0.20					
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.41	0.04	0.96	0.10					
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.23	0.03	1.08	0.16					
PROSTATECTOMY.....	0.81	0.92	0.06	0.87	0.06					
CHOLECYSTECTOMY.....	0.51	0.47	0.04	1.13	0.11					
HYSTERECTOMY.....	0.14	0.17	0.03	0.79	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

ALBANY-SCHENECTADY-TROY, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	23,884	9.3	9.8	0.2	14.8	15.0	0.3	18.7	19.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	842	27.1	25.4	2.0	31.5	28.8	2.1	33.4	32.1	2.1
CONGESTIVE HEART FAILURE.....	1,360	14.5	15.4	1.2	24.9	23.7	1.2	32.3	30.6	1.4
PNEUMONIA/INFLUENZA.....	1,324	14.5	17.7	1.6	22.6	24.1	1.3	27.3	28.9	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	358	6.4	7.9	2.3	12.3	13.6	3.6	15.6	18.6	4.4
TRANSIENT CEREBRAL ISCHEMIA.....	345	2.9	2.0	1.1	5.2	4.5	1.5	7.8	7.1	1.8
STROKE.....	931	19.0	20.5	1.6	26.7	27.3	1.6	32.1	31.7	1.6
HIP FRACTURE.....	662	4.4	6.5	1.3	8.0	11.8	1.9	11.0	15.3	2.2
SEPSIS.....	241	23.2	27.9	5.8	31.5	35.8	5.9	37.3	41.8	5.6
PROCEDURES:										
ANGIOPLASTY.....	23	0.0	1.9	*	0.0	2.7	*	0.0	3.7	*
CORONARY ARTERY BYPASS GRAFT.....	201	5.0	5.2	1.6	6.5	7.3	2.0	7.5	8.6	2.3
INITIAL PACEMAKER INSERTION.....	205	3.9	3.5	1.5	7.8	6.7	1.9	8.8	9.7	2.2
CAROTID ENDARTERECTOMY.....	44	2.3	1.7	*	4.5	3.2	*	4.5	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	485	1.9	3.4	1.6	4.9	6.5	2.2	7.6	8.9	2.6
OPEN REDUCTION OF HIP FRACTURE.....	343	4.4	5.7	1.7	7.6	10.7	2.8	9.9	14.0	3.2
PROSTATECTOMY.....	799	0.3	1.3	1.0	1.6	3.1	1.3	4.1	5.1	1.3
CHOLECYSTECTOMY.....	408	1.5	2.9	1.5	3.9	5.2	2.0	5.4	6.8	1.9
HYSTERECTOMY.....	174	1.7	1.1	1.1	3.4	2.5	1.5	3.4	3.9	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 137,390						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.71	28.19	0.14	0.88	0.00		4.86	4.73	0.06	1.03	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.89	0.91	0.03	0.98	0.03						
CONGESTIVE HEART FAILURE.....	1.71	1.70	0.03	1.00	0.02						
PNEUMONIA/INFLUENZA.....	1.35	1.26	0.03	1.08	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.44	0.50	0.02	0.85	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.42	0.02	0.75	0.03						
STROKE.....	0.88	0.92	0.03	0.95	0.03						
HIP FRACTURE.....	0.59	0.64	0.02	0.91	0.03						
SEPSIS.....	0.27	0.32	0.01	0.84	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.06	0.23	0.01	0.26	0.01						
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.35	0.02	0.92	0.04						
INITIAL PACEMAKER INSERTION.....	0.20	0.20	0.01	1.03	0.07						
CAROTID ENDARTERECTOMY.....	0.05	0.12	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.44	0.02	0.92	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.31	0.01	0.99	0.05						
PROSTATECTOMY.....	0.68	0.74	0.02	0.92	0.03						
CHOLECYSTECTOMY.....	0.36	0.45	0.02	0.79	0.03						
HYSTERECTOMY.....	0.14	0.18	0.01	0.76	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

8INGHAMTDN, NY
MORTALITY RATES FOLLDWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	D8S	PRED	SD	D8S	PRED	SD
ALL CAUSES.....	7,952	8.9	9.1	0.5	13.8	14.0	0.5	17.6	17.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	256	19.5	23.2	4.0	23.8	26.6	3.7	27.3	29.9	3.8
CONGESTIVE HEART FAILURE.....	521	17.5	14.7	2.6	25.7	22.8	2.6	32.4	29.6	2.9
PNEUMONIA/INFLUENZA.....	442	15.6	17.6	3.9	21.3	23.8	3.6	25.8	28.6	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	115	6.1	9.6	4.5	16.5	16.3	3.5	23.5	22.0	4.1
TRANSIENT CEREBRAL ISCHEMIA.....	167	2.4	2.1	1.3	4.8	4.7	1.7	7.8	7.5	2.1
STROKE.....	275	20.0	20.1	2.6	28.4	26.6	3.1	32.0	31.0	2.9
HIP FRACTURE.....	211	5.2	6.8	2.6	8.5	12.2	4.7	12.3	15.8	5.2
SEPSIS.....	66	15.2	26.5	7.9	22.7	34.1	8.6	25.8	40.3	9.7
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	32	0.0	5.3	*	0.0	7.9	*	0.0	9.8	*
INITIAL PACEMAKER INSERTION.....	43	0.0	4.0	*	2.3	7.6	*	4.7	10.8	*
CAROTID ENDARTERECTOMY.....	27	0.0	1.7	*	3.7	3.2	*	14.8	4.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	153	2.6	2.9	2.0	5.2	5.7	2.1	7.8	7.7	2.2
OPEN REDUCTION OF HIP FRACTURE.....	105	7.6	6.2	2.8	10.5	11.5	3.5	12.4	15.0	5.2
PROSTATECTOMY.....	211	1.9	1.1	1.0	2.4	2.6	1.1	3.3	4.2	1.7
CHOLECYSTECTOMY.....	124	2.4	2.9	1.8	2.4	4.9	2.5	2.4	6.2	3.2
HYSTERECTOMY.....	57	1.8	0.7	1.6	1.8	1.6	2.2	3.5	2.4	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 43,514						MORTALITY				
	ADMISSION										
	D8S,%	PRED,%	SD,%	REL	SE		D8S,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.02	28.42	0.26	0.99	0.01		4.75	4.67	0.10	1.02	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.97	0.94	0.05	1.03	0.05						
CONGESTIVE HEART FAILURE.....	2.00	1.70	0.06	1.18	0.04						
PNEUMONIA/INFLUENZA.....	1.48	1.29	0.05	1.14	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.54	0.03	0.88	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.50	0.42	0.03	1.15	0.09						
STROKE.....	0.82	0.91	0.05	0.90	0.04						
HIP FRACTURE.....	0.61	0.62	0.04	0.97	0.06						
SEPSIS.....	0.28	0.32	0.03	0.93	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.13	0.23	0.02	0.55	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.35	0.03	0.80	0.07						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.02	0.81	0.09						
CAROTID ENDARTERECTOMY.....	0.10	0.13	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.44	0.03	1.02	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.30	0.03	0.91	0.08						
PROSTATECTOMY.....	0.59	0.73	0.04	0.80	0.04						
CHOLECYSTECTOMY.....	0.35	0.47	0.03	0.75	0.05						
HYSTERECTOMY.....	0.19	0.18	0.02	1.02	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

BUFFALO, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	28,890	9.2	9.1	0.2	15.0	14.0	0.4	18.8	17.8	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,015	28.6	26.2	1.5	34.1	29.6	1.9	38.3	33.0	2.0
CONGESTIVE HEART FAILURE.....	1,551	14.8	15.1	1.0	25.0	23.4	1.4	32.5	30.2	1.8
PNEUMONIA/INFLUENZA.....	960	19.7	17.2	1.6	26.0	23.4	1.7	28.9	28.2	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	391	7.9	8.3	1.5	14.8	14.3	1.9	20.5	19.5	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	527	1.9	1.9	0.8	5.3	4.3	1.0	8.7	6.8	1.4
STROKE.....	1,132	20.8	19.7	1.6	29.3	26.3	1.8	34.5	30.8	2.2
HIP FRACTURE.....	655	5.6	6.3	1.1	12.2	11.4	1.5	15.6	14.8	1.9
SEPSIS.....	190	26.8	25.6	3.9	35.3	33.2	4.0	38.4	39.2	3.6
PROCEDURES:										
ANGIOPLASTY.....	100	2.0	2.4	1.6	3.0	3.1	1.8	5.0	3.9	2.4
CORONARY ARTERY BYPASS GRAFT.....	393	4.6	5.2	1.3	5.9	7.2	1.9	6.1	8.5	2.3
INITIAL PACEMAKER INSERTION.....	224	3.6	3.9	1.3	8.9	7.3	2.1	13.4	10.4	3.3
CAROTID ENDARTERECTOMY.....	126	4.0	1.3	1.9	5.6	2.4	2.2	6.3	3.5	2.3
HIP REPLACEMENT/RECONSTRUCTION.....	518	1.7	3.1	1.5	5.4	5.9	1.6	7.5	7.9	1.4
OPEN REDUCTION OF HIP FRACTURE.....	293	4.8	5.7	1.6	10.9	10.7	1.9	14.7	14.0	2.3
PROSTATECTOMY.....	798	0.9	1.0	0.4	2.1	2.4	0.6	3.8	4.1	0.8
CHOLECYSTECTOMY.....	468	3.6	2.9	1.4	6.4	5.3	1.7	7.7	7.0	1.7
HYSTERECTOMY.....	237	1.3	0.9	0.8	1.7	1.8	1.0	2.1	2.7	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 165,640									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.58	28.59	0.13	0.86	0.00	4.80	4.60	0.05	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.90	0.90	0.02	**	**					
CONGESTIVE HEART FAILURE.....	1.58	1.75	0.03	0.90	0.02					
PNEUMONIA/INFLUENZA.....	0.84	1.18	0.03	0.71	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.40	0.52	0.02	0.76	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.42	0.02	1.02	0.04					
STROKE.....	0.90	0.95	0.02	0.96	0.02					
HIP FRACTURE.....	0.51	0.59	0.02	0.87	0.03					
SEPSIS.....	0.18	0.34	0.01	0.53	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.09	0.24	0.01	0.35	0.02					
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.34	0.01	0.80	0.03					
INITIAL PACEMAKER INSERTION.....	0.20	0.20	0.01	**	**					
CAROTID ENDARTERECTOMY.....	0.09	0.13	0.01	1.00	0.07					
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.41	0.02	0.89	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.29	0.01	0.84	0.04					
PROSTATECTOMY.....	0.58	0.74	0.02	0.79	0.02					
CHOLECYSTECTOMY.....	0.33	0.45	0.02	0.75	0.03					
HYSTERECTOMY.....	0.17	0.17	0.01	1.01	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

ELMIRA, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,710	8.7	8.3	0.5	13.3	12.9	0.6	16.9	16.5	0.6
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	119	32.8	26.6	7.2	35.3	30.0	7.4	39.5	33.3	7.3
CONGESTIVE HEART FAILURE.....	197	16.8	14.7	4.9	28.4	23.2	4.5	31.5	30.2	3.9
PNEUMONIA/INFLUENZA.....	149	12.8	17.1	4.5	17.4	23.6	5.8	22.1	28.5	5.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	88	9.1	5.5	3.6	12.5	10.4	3.6	15.9	14.9	3.9
TRANSIENT CEREBRAL ISCHEMIA.....	65	4.6	2.0	4.0	9.2	4.6	5.7	18.5	7.4	5.6
STROKE.....	113	20.4	20.6	3.8	28.3	27.7	4.3	37.2	32.3	5.7
HIP FRACTURE.....	98	7.1	5.9	2.5	8.2	10.7	3.4	9.2	14.0	4.6
SEPSIS.....	41	12.2	25.6	*	26.8	32.5	*	31.7	38.4	*
PROCEDURES:										
ANGIOPLASTY.....	48	2.1	3.3	*	4.2	4.4	*	10.4	5.6	*
CORONARY ARTERY BYPASS GRAFT.....	151	7.3	4.7	2.3	8.6	7.1	2.3	9.9	8.6	2.4
INITIAL PACEMAKER INSERTION.....	37	0.0	3.5	*	2.7	6.7	*	2.7	9.6	*
CAROTID ENDOARTERECTOMY.....	22	0.0	1.5	*	0.0	3.0	*	0.0	4.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	70	1.4	2.6	2.2	2.9	5.1	3.8	2.9	7.0	4.6
OPEN REDUCTION OF HIP FRACTURE.....	28	7.1	5.4	*	7.1	9.9	*	7.1	12.9	*
PROSTATECTOMY.....	75	2.7	1.4	1.9	6.7	2.6	3.8	6.7	4.1	3.4
CHOLECYSTECTOMY.....	51	3.9	2.0	2.6	3.9	3.5	2.7	3.9	4.6	3.1
HYSTERECTOMY.....	41	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,582					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.49	28.91	0.42	0.95	0.01	4.85	4.67	0.17	1.04	0.04
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.94	0.08	0.91	0.07					
CONGESTIVE HEART FAILURE.....	1.92	1.74	0.10	1.10	0.06					
PNEUMONIA/INFLUENZA.....	1.31	1.32	0.09	0.98	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.75	0.55	0.06	1.33	0.14					
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.43	0.05	1.02	0.13					
STROKE.....	0.79	0.93	0.07	0.82	0.07					
HIP FRACTURE.....	0.66	0.61	0.06	1.02	0.10					
SEPSIS.....	0.33	0.33	0.04	0.99	0.14					
PROCEDURES:										
ANGIOPLASTY.....	0.27	0.23	0.04	1.14	0.20					
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.35	0.05	1.19	0.16					
INITIAL PACEMAKER INSERTION.....	0.23	0.19	0.03	1.21	0.23					
CAROTID ENDOARTERECTOMY.....	0.15	0.12	0.03	1.00	0.25					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.43	0.05	1.04	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.18	0.30	0.04	0.55	0.08					
PROSTATECTOMY.....	0.52	0.73	0.07	0.71	0.07					
CHOLECYSTECTOMY.....	0.27	0.47	0.05	0.56	0.07					
HYSTERECTOMY.....	0.21	0.18	0.03	1.42	0.28					

** QUANTITIES COULD NOT BE ESTIMATED

GLENS FALLS, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	3,721	8.2	9.4	0.6	13.2	14.5	0.8	16.7	18.5	0.9
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	155	18.7	23.5	6.1	22.6	26.6	6.8	24.5	29.8	7.5
CONGESTIVE HEART FAILURE.....	241	19.9	15.9	5.2	27.8	24.4	4.9	36.1	31.4	5.1
PNEUMONIA/INFLUENZA.....	196	8.2	15.4	4.5	15.8	21.0	4.4	19.4	25.4	4.7
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	65	3.1	7.8	5.1	15.4	13.9	6.4	20.0	19.0	4.9
TRANSIENT CEREBRAL ISCHEMIA.....	41	2.4	2.0	*	4.9	4.4	*	4.9	7.0	*
STROKE.....	133	23.3	21.1	4.3	30.1	27.5	5.3	33.1	31.9	5.1
HIP FRACTURE.....	96	5.2	6.5	2.8	16.7	12.0	4.5	20.8	15.8	6.0
SEPSIS.....	31	22.6	29.2	*	32.3	37.6	*	35.5	44.0	*
PROCEDURES:										
ANGIOPLASTY.....	1	0.0	2.5	*	0.0	3.9	*	0.0	5.1	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	17	0.0	2.5	*	0.0	4.9	*	17.6	7.2	*
CAROTIO ENOARTERECTOMY.....	10	0.0	1.8	*	0.0	3.4	*	0.0	4.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	64	3.1	3.9	2.5	9.4	7.5	3.7	12.5	10.2	5.9
OPEN REDUCTION OF HIP FRACTURE.....	42	4.8	5.7	*	19.0	10.7	*	21.4	14.0	*
PROSTATECTOMY.....	139	2.2	1.3	1.2	4.3	3.2	1.6	5.0	5.5	1.9
CHOLECYSTECTOMY.....	79	2.5	2.7	1.8	2.5	5.1	3.0	3.8	6.8	3.5
HYSTERECTOMY.....	27	0.0	1.0	*	0.0	2.1	*	0.0	3.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 18,784					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SO,%	REL	SE	OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	28.26	29.85	0.40	0.95	0.01	4.68	4.75	0.16	0.98	0.03
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.03	1.01	0.07	1.00	0.07					
CONGESTIVE HEART FAILURE.....	1.99	1.80	0.10	1.12	0.06					
PNEUMONIA/INFLUENZA.....	1.33	1.47	0.09	0.89	0.05					
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.75	0.60	0.06	1.27	0.12					
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.46	0.05	0.72	0.08					
STROKE.....	0.83	0.95	0.07	0.87	0.07					
HIP FRACTURE.....	0.52	0.64	0.06	0.84	0.08					
SEPSIS.....	0.26	0.32	0.04	0.85	0.11					
PROCEDURES:										
ANGIOPLASTY.....	0.04	0.23	0.04	0.23	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.36	0.04	0.88	0.11					
INITIAL PACEMAKER INSERTION.....	0.14	0.20	0.03	0.76	0.14					
CAROTIO ENOARTERECTOMY.....	0.09	0.13	0.03	1.00	0.23					
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.45	0.05	1.19	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.19	0.30	0.04	0.73	0.10					
PROSTATECTOMY.....	0.74	0.77	0.06	0.96	0.08					
CHOLECYSTECTOMY.....	0.42	0.52	0.05	0.86	0.09					
HYSTERECTOMY.....	0.16	0.18	0.03	0.81	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

NASSAU-SUFFOLK, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	69,289	9.7	10.1	0.2	15.6	15.4	0.2	19.6	19.4	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,355	25.6	26.8	1.2	30.7	30.2	1.2	33.1	33.6	1.0
CONGESTIVE HEART FAILURE.....	4,049	15.5	16.1	0.8	25.1	24.6	1.0	31.9	31.5	0.8
PNEUMONIA/INFLUENZA.....	2,631	18.4	18.5	0.8	26.7	25.0	1.0	31.1	29.8	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,153	10.2	10.2	1.0	17.9	16.8	1.3	24.4	22.4	1.8
TRANSIENT CEREBRAL ISCHEMIA.....	1,393	1.5	2.0	0.5	4.2	4.5	0.6	7.0	7.2	0.7
STROKE.....	2,695	20.3	21.1	0.8	28.6	28.2	0.9	33.6	32.6	1.0
HIP FRACTURE.....	1,724	7.1	6.9	0.7	12.6	12.2	1.5	16.7	15.7	1.8
SEPSIS.....	944	29.0	30.3	2.0	41.9	38.8	1.9	48.3	44.9	2.1
PROCEDURES:										
ANGIOPLASTY.....	278	1.1	2.6	1.5	1.8	3.5	1.8	2.2	4.5	1.9
CORONARY ARTERY BYPASS GRAFT.....	673	4.5	5.4	1.5	5.9	7.7	1.6	7.6	9.1	1.7
INITIAL PACEMAKER INSERTION.....	590	4.1	3.9	0.9	8.5	7.3	1.3	12.2	10.4	1.7
CAROTID ENDARTERECTOMY.....	173	2.3	1.4	1.2	3.5	2.6	2.1	4.6	3.8	1.9
HIP REPLACEMENT/RECONSTRUCTION.....	1,013	2.7	3.6	0.7	6.6	7.0	0.8	10.1	9.4	1.0
OPEN REDUCTION OF HIP FRACTURE.....	951	6.0	6.3	1.0	12.0	11.5	1.4	15.8	15.0	1.7
PROSTATECTOMY.....	2,268	0.2	1.2	0.7	1.9	2.7	0.5	3.7	4.4	0.5
CHOLECYSTECTOMY.....	1,107	3.2	3.4	0.6	6.7	6.1	0.9	8.1	8.0	0.8
HYSTERECTOMY.....	563	0.9	1.0	0.4	2.5	2.0	0.6	4.1	3.0	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 370,431						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.44	25.69	0.08	0.99	0.00		4.59	4.45	0.03	1.03	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.83	0.79	0.01	1.06	0.02						
CONGESTIVE HEART FAILURE.....	1.74	1.49	0.02	1.17	0.02						
PNEUMONIA/INFLUENZA.....	0.93	1.02	0.02	0.91	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.42	0.01	1.16	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.38	0.01	1.00	0.03						
STROKE.....	0.83	0.85	0.01	0.99	0.02						
HIP FRACTURE.....	0.50	0.58	0.01	0.85	0.02						
SEPSIS.....	0.34	0.33	0.01	1.04	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.14	0.26	0.01	0.53	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.36	0.01	0.85	0.02						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	**	**						
CAROTID ENDARTERECTOMY.....	0.06	0.12	0.01	1.00	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.32	0.42	0.01	0.77	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.01	0.97	0.03						
PROSTATECTOMY.....	0.68	0.74	0.01	0.92	0.02						
CHOLECYSTECTOMY.....	0.34	0.38	0.01	0.88	0.02						
HYSTERECTOMY.....	0.15	0.17	0.01	0.89	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

NEW YORK, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	197,270	9.2	9.6	0.1	15.3	14.8	0.2	19.4	18.8	0.1
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	5,876	24.5	26.5	0.6	29.7	30.1	1.0	32.6	33.5	0.6
CONGESTIVE HEART FAILURE.....	10,246	14.2	15.7	0.4	24.0	24.2	0.5	31.4	31.2	0.5
PNEUMONIA/INFLUENZA.....	7,391	18.8	18.3	0.7	27.5	24.7	0.6	32.5	29.6	0.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	2,704	8.5	9.8	0.8	15.3	16.4	0.8	20.9	21.9	0.9
TRANSIENT CEREBRAL ISCHEMIA.....	3,117	1.3	2.0	0.6	4.0	4.4	0.5	7.0	7.0	0.5
STROKE.....	7,352	19.7	20.6	0.5	28.5	27.6	0.5	33.3	32.1	0.6
HIP FRACTURE.....	4,701	6.6	6.7	0.4	13.1	12.0	0.5	16.6	15.6	0.6
SEPSIS.....	2,376	30.9	30.7	1.4	45.1	39.6	1.2	52.0	46.0	1.2
PROCEDURES:										
ANGIOPLASTY.....	634	2.5	3.0	1.0	3.9	4.1	0.9	5.0	5.2	0.9
CORONARY ARTERY BYPASS GRAFT.....	1,546	5.4	5.7	1.1	8.0	8.4	1.0	9.7	10.1	0.9
INITIAL PACEMAKER INSERTION.....	1,275	3.3	4.2	0.7	8.5	7.8	1.0	12.0	11.1	1.0
CAROTID ENOARTERECTOMY.....	305	0.7	1.4	0.8	1.0	2.5	1.3	2.6	3.7	1.2
HIP REPLACEMENT/RECONSTRUCTION.....	2,944	3.5	3.4	0.3	6.7	6.4	0.6	8.8	8.6	0.7
OPEN REDUCTION OF HIP FRACTURE.....	2,685	5.1	6.2	0.7	12.2	11.5	0.8	15.9	15.1	0.7
PROSTATECTOMY.....	6,515	0.8	1.2	0.4	2.8	2.9	0.2	4.8	4.7	0.3
CHOLECYSTECTOMY.....	2,492	3.3	3.8	0.5	7.3	7.0	0.5	9.8	9.3	0.6
HYSTERECTOMY.....	1,179	1.2	1.2	0.5	2.9	2.4	0.8	4.4	3.6	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 1,207,619						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.37	28.01	0.05	0.91	0.00		4.82	4.93	0.02	0.98	0.00
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.83	0.01	0.93	0.01						
CONGESTIVE HEART FAILURE.....	1.62	1.76	0.01	0.92	0.01						
PNEUMONIA/INFLUENZA.....	0.97	1.15	0.01	0.84	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.44	0.01	0.98	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.40	0.01	0.93	0.01						
STROKE.....	0.86	0.99	0.01	0.87	0.01						
HIP FRACTURE.....	0.54	0.62	0.01	0.87	0.01						
SEPSIS.....	0.34	0.38	0.01	0.91	0.01						
PROCEDURES:											
ANGIOPLASTY.....	0.10	0.21	0.00	0.48	0.01						
CORONARY ARTERY BYPASS GRAFT.....	0.21	0.32	0.00	0.67	0.01						
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.00	0.83	0.02						
CAROTID ENOARTERECTOMY.....	0.04	0.10	0.00	1.00	0.03						
HIP REPLACEMENT/RECONSTRUCTION.....	0.29	0.41	0.01	0.72	0.01						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.31	0.00	0.97	0.02						
PROSTATECTOMY.....	0.68	0.71	0.01	0.96	0.01						
CHOLECYSTECTOMY.....	0.26	0.38	0.01	0.68	0.01						
HYSTERECTOMY.....	0.12	0.16	0.00	0.76	0.02						

** QUANTITIES COULD NOT BE ESTIMATED

NIAGARA FALL, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,901	9.2	9.0	0.4	14.3	13.8	0.5	18.2	17.6	0.6
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	279	31.9	27.9	5.5	37.6	31.2	5.6	39.1	34.6	4.9
CONGESTIVE HEART FAILURE.....	391	11.8	15.3	2.8	23.3	23.8	3.3	29.9	30.7	2.4
PNEUMONIA/INFLUENZA.....	253	17.4	17.0	2.5	24.1	23.2	3.0	28.1	27.9	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	130	7.7	7.9	3.0	11.5	13.8	3.5	20.8	18.8	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	224	0.9	2.0	1.7	4.5	4.4	2.5	8.5	7.0	3.7
STROKE.....	268	19.0	20.0	2.6	24.6	26.8	3.0	29.1	31.3	3.1
HIP FRACTURE.....	169	3.6	6.3	3.1	8.9	11.4	3.5	13.0	14.8	3.5
SEPSIS.....	61	23.0	29.7	7.6	27.9	36.9	9.0	27.9	42.7	11.0
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	80	5.0	4.1	2.8	10.0	7.4	3.6	11.2	10.6	3.6
CAROTID ENDOARTERECTOMY.....	22	9.1	1.4	*	18.2	2.7	*	18.2	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	120	1.7	3.0	2.0	5.8	5.8	3.1	6.7	7.9	3.2
OPEN REDUCTION OF HIP FRACTURE.....	90	4.4	6.0	3.8	8.9	11.1	4.4	13.3	14.5	4.0
PROSTATECTOMY.....	254	0.4	1.0	0.8	1.2	2.5	1.5	3.5	4.2	1.8
CHOLECYSTECTOMY.....	119	3.4	3.2	2.2	6.7	5.5	3.8	10.9	7.0	4.4
HYSTERECTOMY.....	52	0.0	0.6	1.4	1.9	1.2	2.0	3.8	1.9	3.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 37,826						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.07	27.60	0.27	1.13	0.01		4.57	4.42	0.11	1.03	0.02
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.14	0.91	0.05	1.26	0.07						
CONGESTIVE HEART FAILURE.....	1.80	1.66	0.07	1.08	0.04						
PNEUMONIA/INFLUENZA.....	1.07	1.15	0.05	0.93	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.77	0.51	0.04	1.50	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.78	0.41	0.03	1.91	0.15						
STROKE.....	0.88	0.90	0.05	0.98	0.05						
HIP FRACTURE.....	0.55	0.56	0.04	0.97	0.07						
SEPSIS.....	0.24	0.32	0.03	0.73	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.26	0.03	0.62	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.37	0.03	1.11	0.09						
INITIAL PACEMAKER INSERTION.....	0.33	0.20	0.02	1.64	0.19						
CAROTID ENDOARTERECTOMY.....	0.11	0.14	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.42	0.03	0.96	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.28	0.03	1.05	0.10						
PROSTATECTOMY.....	0.92	0.78	0.04	1.18	0.07						
CHOLECYSTECTOMY.....	0.40	0.46	0.03	0.86	0.06						
HYSTERECTOMY.....	0.16	0.18	0.02	0.87	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

ORANGE COUNTY, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,684	8.7	9.7	0.4	14.3	14.8	0.5	18.0	18.7	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	251	20.3	27.5	3.8	23.9	30.9	4.0	25.1	34.5	4.4
CONGESTIVE HEART FAILURE.....	471	15.7	15.3	1.7	24.0	23.5	2.2	29.7	30.3	2.4
PNEUMONIA/INFLUENZA.....	460	14.1	17.0	3.7	20.4	23.0	3.7	24.6	27.6	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	143	7.7	9.3	3.7	14.0	16.1	6.1	18.9	21.7	6.1
TRANSIENT CEREBRAL ISCHEMIA.....	183	3.3	2.0	1.5	7.1	4.4	2.1	8.7	7.0	2.1
STROKE.....	324	19.8	20.4	2.3	28.1	26.8	2.7	32.1	31.2	2.7
HIP FRACTURE.....	180	6.1	7.3	2.1	13.3	12.7	2.7	18.9	16.3	3.8
SEPSIS.....	103	19.4	29.6	5.1	34.0	36.7	4.8	39.8	42.8	5.6
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	48	4.2	5.7	*	10.4	9.2	*	16.7	12.4	*
CAROTID ENDARTERECTOMY.....	31	3.2	1.5	*	3.2	3.0	*	3.2	4.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	117	3.4	4.4	2.2	9.4	8.5	3.0	10.3	11.4	3.8
OPEN REDUCTION OF HIP FRACTURE.....	81	2.5	6.4	3.4	8.6	11.7	3.9	17.3	15.2	4.1
PROSTATECTOMY.....	218	1.4	1.5	1.1	2.3	3.4	2.0	3.7	5.4	3.0
CHOLECYSTECTOMY.....	128	3.1	3.6	1.7	3.9	6.3	2.5	5.5	8.1	2.9
HYSTERECTOMY.....	41	0.0	0.8	*	2.4	1.7	*	2.4	2.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 36,910					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.65	27.76	0.27	1.10	0.01	4.74	4.69	0.11	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.96	0.87	0.05	1.12	0.06					
CONGESTIVE HEART FAILURE.....	1.94	1.67	0.07	1.15	0.05					
PNEUMONIA/INFLUENZA.....	1.65	1.21	0.06	1.36	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.64	0.48	0.04	1.27	0.10					
TRANSIENT CEREBRAL ISCHEMIA.....	0.59	0.39	0.03	1.46	0.13					
STROKE.....	1.09	0.90	0.05	1.19	0.07					
HIP FRACTURE.....	0.55	0.61	0.04	0.91	0.06					
SEPSIS.....	0.39	0.33	0.03	1.16	0.11					
PROCEDURES:										
ANGIOPLASTY.....	0.10	0.23	0.03	0.44	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.26	0.34	0.03	0.73	0.07					
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.02	1.18	0.16					
CAROTID ENDARTERECTOMY.....	0.12	0.12	0.02	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.42	0.03	0.89	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.29	0.03	0.85	0.09					
PROSTATECTOMY.....	0.66	0.72	0.04	0.89	0.06					
CHOLECYSTECTOMY.....	0.40	0.43	0.03	0.94	0.08					
HYSTERECTOMY.....	0.14	0.17	0.02	0.74	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

POUGHKEEPSIE, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,285	10.0	10.2	0.4	16.1	15.3	0.7	20.2	19.3	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	200	20.0	26.4	4.8	27.5	29.7	5.0	31.0	33.1	3.5
CONGESTIVE HEART FAILURE.....	328	18.0	16.0	2.2	27.4	24.2	3.1	37.5	31.1	3.9
PNEUMONIA/INFLUENZA.....	353	19.5	18.4	2.5	28.9	25.0	4.4	32.9	29.9	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	91	6.6	7.7	4.6	12.1	13.5	3.9	17.6	18.5	4.7
TRANSIENT CEREBRAL ISCHEMIA.....	100	3.0	1.9	1.6	4.0	4.1	2.0	6.0	6.6	2.5
STROKE.....	199	18.6	21.5	3.5	30.7	27.8	3.7	34.2	32.2	3.8
HIP FRACTURE.....	154	4.5	6.4	3.1	10.4	11.7	3.3	14.9	15.2	2.9
SEPSIS.....	63	20.6	28.9	10.1	31.7	36.7	9.2	38.1	43.0	7.3
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	52	9.6	5.3	5.0	11.5	9.1	5.1	15.4	12.5	7.9
CAROTID ENDARTERECTOMY.....	8	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	98	2.0	3.5	2.6	5.1	6.6	3.3	7.1	9.0	3.4
OPEN REDUCTION OF HIP FRACTURE.....	75	5.3	5.8	2.9	13.3	10.9	4.1	18.7	14.4	6.8
PROSTATECTOMY.....	174	1.1	1.2	0.9	3.4	2.8	1.7	7.5	4.6	2.5
CHOLECYSTECTOMY.....	93	4.3	3.4	3.3	8.6	5.9	4.4	8.6	7.4	4.9
HYSTERECTOMY.....	26	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 35,413						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.31	27.13	0.28	0.93	0.01		5.01	4.69	0.11	1.07	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.96	0.82	0.05	1.16	0.07						
CONGESTIVE HEART FAILURE.....	1.74	1.60	0.07	1.09	0.05						
PNEUMONIA/INFLUENZA.....	1.56	1.17	0.06	1.34	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.46	0.04	1.09	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.37	0.03	1.21	0.11						
STROKE.....	0.77	0.87	0.05	0.87	0.05						
HIP FRACTURE.....	0.56	0.62	0.04	0.88	0.06						
SEPSIS.....	0.30	0.33	0.03	0.85	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.06	0.23	0.03	0.43	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.18	0.33	0.03	0.49	0.05						
INITIAL PACEMAKER INSERTION.....	0.16	0.18	0.02	0.87	0.12						
CAROTID ENDARTERECTOMY.....	0.05	0.11	0.02	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.42	0.03	0.93	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.30	0.03	0.89	0.09						
PROSTATECTOMY.....	0.66	0.71	0.04	0.95	0.06						
CHOLECYSTECTOMY.....	0.30	0.40	0.03	0.75	0.07						
HYSTERECTOMY.....	0.12	0.17	0.02	0.59	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

ROCHESTER, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	22,132	8.8	9.3	0.2	14.0	14.3	0.4	17.6	18.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	937	24.4	25.2	1.8	30.6	28.8	1.9	33.5	32.2	1.9
CONGESTIVE HEART FAILURE.....	1,188	12.6	15.4	1.5	21.9	23.8	1.6	30.0	30.6	1.4
PNEUMONIA/INFLUENZA.....	927	14.1	17.0	1.8	21.7	23.1	1.6	25.7	27.8	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	306	8.5	8.5	1.6	16.3	14.8	2.6	19.3	20.2	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	232	3.0	1.9	1.4	7.3	4.3	2.4	10.8	6.9	3.3
STROKE.....	805	18.1	19.8	1.8	25.7	26.7	2.1	30.4	31.1	1.7
HIP FRACTURE.....	654	6.0	6.6	1.3	10.6	12.0	2.0	14.1	15.6	2.5
SEPSIS.....	198	22.2	26.8	3.7	29.3	34.1	4.5	33.3	40.1	4.7
PROCEDURE:										
ANGIOPLASTY.....	37	2.7	1.6	*	2.7	2.5	*	2.7	3.4	*
CORONARY ARTERY BYPASS GRAFT.....	274	6.2	5.2	1.6	8.0	7.5	1.6	10.2	9.0	2.1
INITIAL PACEMAKER INSERTION.....	141	6.4	3.6	2.6	9.2	6.9	3.0	13.5	9.9	3.0
CAROTID ENDARTERECTOMY.....	159	0.6	1.3	1.0	1.3	2.4	1.4	3.8	3.6	2.1
HIP REPLACEMENT/RECONSTRUCTION.....	466	2.1	2.8	1.1	5.2	5.5	1.3	6.7	7.6	1.5
OPEN REDUCTION OF HIP FRACTURE.....	270	5.6	6.5	2.0	10.4	12.3	2.8	14.1	16.1	3.6
PROSTATECTOMY.....	763	0.3	1.2	0.7	1.7	2.8	0.9	3.0	4.6	1.3
CHOLECYSTECTOMY.....	427	2.3	3.3	1.4	4.0	6.1	2.2	6.1	8.0	2.5
HYSTERECTOMY.....	206	0.5	0.8	0.7	1.5	1.7	1.0	2.4	2.5	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 142,703						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.08	27.42	0.14	0.77	0.00		4.50	4.73	0.06	0.95	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.85	0.02	1.08	0.03						
CONGESTIVE HEART FAILURE.....	1.40	1.66	0.03	0.84	0.02						
PNEUMONIA/INFLUENZA.....	0.88	1.17	0.03	0.75	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.37	0.47	0.02	0.76	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.21	0.38	0.02	0.55	0.02						
STROKE.....	0.71	0.89	0.02	0.79	0.02						
HIP FRACTURE.....	0.54	0.62	0.02	0.87	0.03						
SEPSIS.....	0.22	0.33	0.01	0.68	0.03						
PROCEDURE:											
ANGIOPLASTY.....	0.04	0.23	0.01	0.16	0.01						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.33	0.01	0.91	0.04						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.01	0.69	0.04						
CAROTID ENDARTERECTOMY.....	0.12	0.12	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.43	0.02	0.82	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.30	0.01	0.74	0.04						
PROSTATECTOMY.....	0.63	0.72	0.02	0.88	0.03						
CHOLECYSTECTOMY.....	0.34	0.41	0.02	0.83	0.03						
HYSTERECTOMY.....	0.14	0.17	0.01	0.80	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

SYRACUSE, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	14,810	8.7	9.3	0.3	13.5	14.2	0.4	17.5	18.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	485	29.1	27.3	3.8	32.8	30.5	3.9	36.3	33.8	3.8
CONGESTIVE HEART FAILURE.....	760	14.1	15.2	1.6	24.2	23.3	2.6	31.2	30.0	1.8
PNEUMONIA/INFLUENZA.....	535	15.7	16.3	2.3	21.3	22.4	2.3	27.3	27.1	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	198	8.1	7.7	2.4	16.2	13.4	3.1	22.2	18.4	4.3
TRANSIENT CEREBRAL ISCHEMIA.....	185	1.1	1.6	1.9	3.8	3.5	1.4	4.9	5.5	1.9
STROKE.....	548	20.6	20.9	1.8	27.6	27.5	2.5	31.0	32.0	2.4
HIP FRACTURE.....	458	7.9	6.9	2.1	14.4	12.3	2.3	17.7	15.8	2.1
SEPSIS.....	198	17.7	24.2	4.2	23.2	31.6	5.1	28.3	37.3	5.5
PROCEDURES:										
ANGIOPLASTY.....	146	1.4	2.1	1.4	1.4	2.8	1.8	2.1	3.7	2.3
CORONARY ARTERY BYPASS GRAFT.....	195	1.0	4.6	2.2	3.6	6.4	2.9	4.1	7.7	2.5
INITIAL PACEMAKER INSERTION.....	114	5.3	4.5	2.1	9.6	8.0	2.9	11.4	11.0	3.0
CAROTID ENDARTERECTOMY.....	102	2.0	1.4	1.5	2.9	2.6	1.6	2.9	3.8	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	333	2.7	3.4	1.5	7.8	6.2	2.0	9.6	8.3	2.3
OPEN REDUCTION OF HIP FRACTURE.....	209	5.7	6.1	1.9	9.1	11.3	3.0	12.9	14.7	3.7
PROSTATECTOMY.....	437	0.2	1.3	1.1	3.4	2.9	0.9	5.0	4.8	1.1
CHOLECYSTECTOMY.....	309	0.3	2.6	1.4	1.6	4.4	1.6	2.3	5.7	1.9
HYSTERECTOMY.....	136	2.9	1.4	2.0	4.4	2.7	2.4	5.1	3.7	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 92,126					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.60	28.19	0.17	0.77	0.00	4.67	4.63	0.07	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.73	0.91	0.03	0.81	0.03					
CONGESTIVE HEART FAILURE.....	1.35	1.69	0.04	0.80	0.02					
PNEUMONIA/INFLUENZA.....	0.78	1.24	0.04	0.62	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.52	0.02	0.75	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.41	0.02	0.61	0.03					
STROKE.....	0.74	0.91	0.03	0.81	0.03					
HIP FRACTURE.....	0.61	0.61	0.03	0.98	0.04					
SEPSIS.....	0.31	0.32	0.02	0.96	0.06					
PROCEDURES:										
ANGIOPLASTY.....	0.15	0.23	0.02	0.70	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.24	0.35	0.02	0.67	0.04					
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.01	0.89	0.07					
CAROTID ENDARTERECTOMY.....	0.13	0.12	0.01	1.00	0.11					
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.43	0.02	0.91	0.05					
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.02	0.91	0.06					
PROSTATECTOMY.....	0.56	0.74	0.03	0.76	0.03					
CHOLECYSTECTOMY.....	0.39	0.45	0.02	0.87	0.04					
HYSTERECTOMY.....	0.13	0.17	0.01	0.77	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

UTICA-ROME, NY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,674	9.6	9.4	0.3	14.4	14.3	0.4	18.0	18.2	0.4
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	316	33.9	29.2	4.2	38.9	32.5	4.8	41.8	35.9	5.0
CONGESTIVE HEART FAILURE.....	594	14.5	15.9	2.5	23.6	24.4	2.4	30.5	31.4	3.1
PNEUMONIA/INFLUENZA.....	484	15.9	17.5	2.0	22.9	23.6	2.1	25.2	28.4	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	182	11.0	7.0	3.9	15.9	12.8	5.1	21.4	18.0	5.0
TRANSIENT CEREBRAL ISCHEMIA.....	215	3.7	2.1	2.0	5.6	4.6	2.9	9.8	7.4	3.4
STROKE.....	388	20.9	20.1	2.3	27.1	27.0	2.4	33.2	31.5	3.2
HIP FRACTURE.....	252	4.0	6.1	2.0	12.3	10.9	2.1	17.1	14.2	2.6
SEPSIS.....	99	25.3	28.7	7.0	28.3	35.9	9.4	36.4	41.9	9.7
PROCEDURE:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	59	3.4	3.5	2.5	6.8	6.4	3.5	10.2	9.1	3.9
CAROTID ENDOARTERECTOMY.....	22	4.5	1.7	*	18.2	3.5	*	18.2	5.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	117	2.6	3.7	1.9	8.5	7.0	2.5	13.7	9.4	3.5
OPEN REDUCTION OF HIP FRACTURE.....	109	2.8	5.2	3.0	10.1	9.8	2.9	14.7	12.9	4.1
PROSTATECTOMY.....	395	1.5	1.1	0.9	2.3	2.5	1.2	3.0	4.0	1.6
CHOLECYSTECTOMY.....	161	2.5	2.5	1.6	2.5	4.3	2.6	3.7	5.5	3.1
HYSTERECTOMY.....	68	2.9	1.3	2.1	2.9	1.8	2.6	4.4	2.2	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 57,451						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.61	29.28	0.23	0.91	0.01		4.71	4.70	0.09	1.00	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.96	0.04	0.91	0.04						
CONGESTIVE HEART FAILURE.....	1.69	1.76	0.06	0.96	0.03						
PNEUMONIA/INFLUENZA.....	1.24	1.38	0.05	0.89	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.52	0.57	0.03	0.89	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.50	0.43	0.03	1.11	0.07						
STROKE.....	0.90	0.93	0.04	0.96	0.04						
HIP FRACTURE.....	0.59	0.62	0.03	0.97	0.05						
SEPSIS.....	0.24	0.32	0.02	0.71	0.06						
PROCEDURE:											
ANGIOPLASTY.....	0.19	0.23	0.02	0.84	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.35	0.02	0.93	0.07						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.02	0.80	0.08						
CAROTID ENDOARTERECTOMY.....	0.06	0.13	0.02	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.43	0.03	0.76	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.30	0.02	0.94	0.08						
PROSTATECTOMY.....	0.88	0.74	0.04	1.20	0.06						
CHOLECYSTECTOMY.....	0.39	0.49	0.03	0.78	0.05						
HYSTERECTOMY.....	0.18	0.18	0.02	0.97	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

NY-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	43,093	8.6	9.2	0.2	13.6	14.1	0.3	17.3	17.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,483	26.6	27.4	1.3	30.1	30.7	1.8	32.0	34.1	1.6
CONGESTIVE HEART FAILURE.....	2,464	13.3	15.5	1.2	22.4	24.0	1.3	29.7	31.0	1.2
PNEUMONIA/INFLUENZA.....	2,399	14.6	16.6	1.0	20.7	22.8	1.2	24.7	27.5	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,044	7.8	7.8	1.0	14.5	13.9	1.2	21.1	19.1	1.8
TRANSIENT CEREBRAL ISCHEMIA.....	791	2.0	2.0	0.6	5.1	4.4	0.9	7.5	7.1	1.1
STROKE.....	1,539	18.8	20.1	1.5	25.9	27.1	1.4	30.0	31.7	1.6
HIP FRACTURE.....	1,104	5.8	6.4	0.9	10.3	11.5	1.3	13.7	15.0	1.6
SEPSIS.....	443	17.8	27.4	3.3	28.9	35.2	3.9	33.9	41.3	3.0
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	249	4.0	3.7	1.4	5.6	6.9	2.4	7.6	9.9	3.5
CAROTID ENDAETERECTOMY.....	81	3.7	1.4	2.2	4.9	2.6	3.1	6.2	3.8	3.9
HIP REPLACEMENT/RECONSTRUCTION.....	697	2.9	3.2	0.8	5.6	6.2	1.1	8.2	8.4	1.1
OPEN REDUCTION OF HIP FRACTURE.....	536	5.6	6.0	1.5	10.4	11.2	1.5	13.4	14.7	1.8
PROSTATECTOMY.....	1,260	0.9	1.1	0.4	2.5	2.6	0.5	3.9	4.3	0.8
CHOLECYSTECTOMY.....	727	2.8	3.0	0.7	5.2	5.2	0.9	6.1	6.8	1.3
HYSTERECTOMY.....	227	0.0	0.7	0.7	0.4	1.5	1.1	1.8	2.3	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 271,215									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.31	28.99	0.10	1.05	0.00	4.81	4.70	0.04	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.02	0.96	0.02	1.05	0.02					
CONGESTIVE HEART FAILURE.....	1.98	1.71	0.03	1.14	0.02					
PNEUMONIA/INFLUENZA.....	1.51	1.40	0.02	1.08	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.76	0.54	0.01	1.36	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.48	0.43	0.01	1.14	0.04					
STROKE.....	0.86	0.92	0.02	0.92	0.02					
HIP FRACTURE.....	0.59	0.62	0.01	0.96	0.02					
SEPSIS.....	0.30	0.31	0.01	0.90	0.04					
PROCEDURES:										
ANGIOPLASTY.....	0.12	0.23	0.01	0.54	0.03					
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.36	0.01	0.83	0.03					
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.01	0.90	0.05					
CAROTID ENDAETERECTOMY.....	0.08	0.12	0.01	1.00	0.07					
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.44	0.01	0.94	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.01	0.96	0.04					
PROSTATECTOMY.....	0.74	0.78	0.02	0.94	0.02					
CHOLECYSTECTOMY.....	0.41	0.49	0.01	0.82	0.02					
HYSTERECTOMY.....	0.15	0.18	0.01	0.86	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

AKRON, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	17,930	8.4	9.1	0.3	13.0	13.8	0.3	16.6	17.6	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	503	25.8	29.3	2.5	30.0	32.4	2.9	31.2	35.6	3.0
CONGESTIVE HEART FAILURE.....	879	14.9	15.8	2.2	23.4	24.3	2.4	29.5	31.3	3.3
PNEUMONIA/INFLUENZA.....	759	13.0	16.9	2.3	20.6	22.9	2.0	24.9	27.6	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	314	9.2	7.5	2.4	12.1	13.0	2.1	18.8	17.8	2.4
TRANSIENT CEREBRAL ISCHEMIA.....	298	2.0	2.0	1.3	3.4	4.3	1.8	5.4	6.8	2.5
STROKE.....	657	19.2	20.4	2.1	26.5	27.3	1.8	31.8	31.8	1.9
HIP FRACTURE.....	373	5.6	7.0	2.3	9.9	12.4	2.2	14.2	15.9	2.1
SEPSIS.....	241	22.4	27.0	5.9	30.7	35.1	6.7	36.1	41.1	6.1
PROCEDURES:										
ANGIOPLASTY.....	141	2.8	3.7	2.0	3.5	4.8	2.3	5.0	6.0	2.4
CORONARY ARTERY BYPASS GRAFT.....	282	4.3	5.0	1.7	5.3	7.0	2.3	5.3	8.2	2.8
INITIAL PACEMAKER INSERTION.....	130	1.5	3.8	2.0	3.1	6.7	3.5	10.0	9.4	2.6
CAROTID ENDOARTERECTOMY.....	96	1.0	1.3	1.6	5.2	2.3	2.1	7.3	3.4	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	314	2.9	3.7	1.3	6.1	6.8	1.6	9.6	9.1	1.8
OPEN REDUCTION OF HIP FRACTURE.....	157	6.4	6.7	3.2	10.8	12.3	3.2	14.6	16.0	3.1
PROSTATECTOMY.....	432	0.2	1.2	0.8	2.3	2.8	1.1	4.9	4.6	1.9
CHOLECYSTECTOMY.....	407	2.9	2.7	1.4	4.9	4.8	1.4	6.9	6.3	1.4
HYSTERECTOMY.....	127	0.0	0.6	1.0	0.0	1.2	1.8	1.6	1.7	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 94,235						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.32	28.17	0.17	1.08	0.01		4.53	4.59	0.07	0.99	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.80	0.88	0.03	0.91	0.03						
CONGESTIVE HEART FAILURE.....	1.82	1.71	0.04	1.06	0.03						
PNEUMONIA/INFLUENZA.....	1.26	1.17	0.03	1.08	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.61	0.50	0.02	1.20	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.42	0.02	1.07	0.05						
STROKE.....	1.00	0.93	0.03	1.07	0.04						
HIP FRACTURE.....	0.53	0.58	0.02	0.91	0.04						
SEPSIS.....	0.43	0.34	0.02	1.23	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.22	0.24	0.02	0.90	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.48	0.35	0.02	1.35	0.08						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	1.07	0.08						
CAROTID ENDOARTERECTOMY.....	0.15	0.13	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.41	0.02	1.02	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.28	0.02	0.80	0.05						
PROSTATECTOMY.....	0.64	0.74	0.03	0.87	0.03						
CHOLECYSTECTOMY.....	0.50	0.43	0.02	1.14	0.06						
HYSTERECTOMY.....	0.17	0.17	0.01	0.98	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

CANTON, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,738	9.5	9.0	0.5	13.8	13.7	0.3	17.2	17.4	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	414	27.1	27.1	2.3	29.5	30.1	2.6	31.6	33.3	3.5
CONGESTIVE HEART FAILURE.....	676	17.0	15.2	1.6	26.3	23.3	2.4	34.9	30.1	2.6
PNEUMONIA/INFLUENZA.....	508	16.7	16.9	2.2	22.8	22.8	1.9	27.0	27.5	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	281	11.4	8.6	3.0	15.7	14.5	2.3	19.2	19.6	2.4
TRANSIENT CEREBRAL ISCHEMIA.....	208	0.5	1.9	2.1	3.4	4.1	2.5	7.7	6.5	2.5
STROKE.....	463	17.5	20.7	3.2	24.4	27.3	4.1	28.3	31.7	3.7
HIP FRACTURE.....	355	8.5	7.2	1.6	11.8	12.7	1.8	14.9	16.3	2.1
SEPSIS.....	117	29.9	28.2	6.0	39.3	37.1	5.3	43.6	43.5	4.6
PROCEDURES:										
ANGIOPLASTY.....	59	5.1	3.8	2.8	5.1	4.5	3.0	6.8	5.5	3.1
CORONARY ARTERY BYPASS GRAFT.....	138	2.2	6.0	2.7	5.1	8.2	2.7	8.7	9.7	2.6
INITIAL PACEMAKER INSERTION.....	94	4.3	3.4	2.2	7.4	6.6	4.1	12.8	9.7	5.2
CAROTID ENDOARTERECTOMY.....	54	0.0	1.2	1.9	1.9	2.2	2.5	1.9	3.2	2.8
HIP REPLACEMENT/RECONSTRUCTION.....	250	4.8	3.1	1.9	6.8	6.0	1.7	9.2	8.1	2.7
OPEN REDUCTION OF HIP FRACTURE.....	162	4.9	6.9	3.0	9.9	12.6	5.9	13.6	16.3	5.1
PROSTATECTOMY.....	341	2.3	1.0	1.0	4.4	2.4	1.5	5.9	4.1	1.8
CHOLECYSTECTOMY.....	249	4.4	3.4	1.6	6.8	5.8	2.0	8.4	7.5	1.9
HYSTERECTOMY.....	95	3.2	0.6	1.3	5.3	1.2	1.8	7.4	1.8	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 65,827						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.27	27.63	0.20	0.99	0.01		4.64	4.44	0.08	1.05	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.89	0.04	0.97	0.04						
CONGESTIVE HEART FAILURE.....	1.75	1.67	0.05	1.05	0.03						
PNEUMONIA/INFLUENZA.....	1.07	1.20	0.04	0.89	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.67	0.52	0.03	1.31	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.43	0.03	0.92	0.06						
STROKE.....	0.88	0.91	0.04	0.96	0.04						
HIP FRACTURE.....	0.55	0.56	0.03	0.98	0.05						
SEPSIS.....	0.28	0.32	0.02	0.88	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.24	0.02	0.77	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.36	0.02	0.99	0.07						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.02	0.97	0.09						
CAROTID ENDOARTERECTOMY.....	0.12	0.13	0.01	1.00	0.12						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.41	0.02	0.94	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.28	0.02	0.97	0.07						
PROSTATECTOMY.....	0.64	0.75	0.03	0.85	0.04						
CHOLECYSTECTOMY.....	0.45	0.45	0.03	**	**						
HYSTERECTOMY.....	0.16	0.17	0.02	0.96	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

CLEVELAND, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	61,084	8.5	9.1	0.1	13.5	14.0	0.2	17.1	17.8	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,577	29.4	28.4	1.4	33.3	31.5	1.7	35.4	34.8	1.3
CONGESTIVE HEART FAILURE.....	3,541	13.3	15.5	0.8	22.8	23.9	0.9	29.3	30.7	1.0
PNEUMONIA/INFLUENZA.....	2,087	14.9	17.2	1.4	21.4	23.4	1.4	26.1	28.1	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,253	8.4	10.0	1.0	14.2	16.8	1.5	18.9	22.5	1.8
TRANSIENT CEREBRAL ISCHEMIA.....	1,072	1.9	2.0	0.5	4.3	4.4	0.7	6.3	7.1	1.1
STROKE.....	2,127	17.0	20.3	1.3	23.9	27.2	1.3	28.3	31.6	1.4
HIP FRACTURE.....	1,127	6.2	7.4	1.5	11.2	13.0	2.2	15.3	16.7	2.2
SEPSIS.....	497	26.6	28.1	2.4	35.8	36.4	2.5	40.6	42.4	3.1
PROCEDURES:										
ANGIOPLASTY.....	437	2.3	2.7	1.0	3.2	3.6	1.1	4.3	4.7	1.1
CORONARY ARTERY BYPASS GRAFT.....	987	5.7	5.5	1.0	8.1	7.9	1.2	9.2	9.5	1.1
INITIAL PACEMAKER INSERTION.....	432	1.9	3.5	1.2	3.9	6.6	1.8	6.3	9.5	2.2
CAROTID ENDARTERECTOMY.....	455	1.3	1.6	0.8	3.7	2.9	1.2	4.8	4.3	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	975	2.6	3.3	0.9	5.2	6.2	1.1	7.6	8.3	1.2
OPEN REDUCTION OF HIP FRACTURE.....	551	6.0	6.5	1.1	10.7	11.9	2.1	13.6	15.4	2.6
PROSTATECTOMY.....	1,622	1.3	1.0	0.3	3.0	2.5	0.7	4.9	4.2	1.1
CHOLECYSTECTOMY.....	1,018	3.4	3.1	0.7	5.3	5.6	0.8	6.9	7.2	1.1
HYSTERECTOMY.....	437	0.9	0.8	0.5	1.8	1.8	0.7	2.5	2.6	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 298,832						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.14	27.17	0.09	1.07	0.00		4.75	4.57	0.04	1.04	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.76	0.82	0.02	0.94	0.02						
CONGESTIVE HEART FAILURE.....	2.15	1.67	0.02	1.00	0.01						
PNEUMONIA/INFLUENZA.....	1.04	1.04	0.02	1.01	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.78	0.45	0.01	1.73	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.39	0.01	1.19	0.03						
STROKE.....	0.99	0.93	0.02	1.06	0.02						
HIP FRACTURE.....	0.48	0.55	0.01	0.88	0.02						
SEPSIS.....	0.28	0.35	0.01	0.81	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.23	0.01	0.76	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.33	0.01	1.03	0.03						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	0.99	0.04						
CAROTID ENDARTERECTOMY.....	0.19	0.11	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.39	0.01	0.89	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.27	0.01	0.89	0.03						
PROSTATECTOMY.....	0.66	0.73	0.02	0.89	0.02						
CHOLECYSTECTOMY.....	0.40	0.39	0.01	1.03	0.03						
HYSTERECTOMY.....	0.16	0.16	0.01	0.97	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

COLUMBUS, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	33,556	8.3	8.6	0.2	12.9	13.1	0.4	16.5	16.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	998	24.9	26.7	1.7	29.4	29.8	1.6	33.2	33.1	1.5
CONGESTIVE HEART FAILURE.....	1,713	15.4	14.6	1.1	24.5	22.5	2.0	31.1	29.0	1.9
PNEUMONIA/INFLUENZA.....	1,230	15.2	16.1	1.5	21.1	21.9	2.2	24.9	26.4	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	491	8.6	8.6	1.3	14.7	14.2	1.6	18.7	19.1	1.9
TRANSIENT CEREBRAL ISCHEMIA.....	520	1.7	1.8	0.7	4.0	3.9	0.9	5.0	6.1	1.4
STROKE.....	1,031	17.7	21.3	1.9	24.5	27.6	1.9	27.9	32.0	2.2
HIP FRACTURE.....	790	4.8	6.9	1.4	9.6	12.2	1.9	12.9	15.7	2.1
SEPSIS.....	366	24.6	26.8	3.0	31.4	34.7	4.0	36.1	40.4	4.7
PROCEDURES:										
ANGIOPLASTY.....	563	3.2	3.0	0.8	4.1	3.9	0.9	5.0	5.0	0.9
CORONARY ARTERY BYPASS GRAFT.....	596	8.9	5.5	1.9	11.1	7.9	1.9	12.4	9.4	1.8
INITIAL PACEMAKER INSERTION.....	254	6.3	3.5	1.9	9.4	6.7	2.3	11.4	9.6	2.2
CAROTID ENDOARTERECTOMY.....	180	0.6	1.4	1.2	2.8	2.7	1.6	3.9	3.9	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	740	2.3	2.5	0.6	4.5	4.7	0.8	6.4	6.3	0.9
OPEN REDUCTION OF HIP FRACTURE.....	376	4.0	6.4	1.6	8.5	11.9	2.4	10.6	15.6	3.0
PROSTATECTOMY.....	1,100	0.5	0.9	0.5	1.9	2.2	0.6	3.9	3.8	0.7
CHOLECYSTECTOMY.....	613	3.3	3.0	0.9	5.4	5.3	1.1	6.4	7.0	1.2
HYSTERECTOMY.....	238	1.3	0.7	1.1	2.5	1.5	1.4	3.4	2.3	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 157,791						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.21	28.76	0.13	0.95	0.00		4.83	4.66	0.05	1.04	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.82	0.87	0.02	0.94	0.02						
CONGESTIVE HEART FAILURE.....	1.83	1.74	0.03	1.05	0.02						
PNEUMONIA/INFLUENZA.....	1.08	1.23	0.03	1.00	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.51	0.54	0.02	0.94	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.43	0.02	0.93	0.04						
STROKE.....	0.82	0.94	0.02	0.87	0.02						
HIP FRACTURE.....	0.58	0.59	0.02	0.99	0.03						
SEPSIS.....	0.34	0.34	0.01	0.98	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.35	0.23	0.01	1.52	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.33	0.01	0.96	0.04						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	1.10	0.07						
CAROTID ENDARTERECTOMY.....	0.15	0.12	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.40	0.02	1.06	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.28	0.01	0.92	0.04						
PROSTATECTOMY.....	0.77	0.69	0.02	1.11	0.03						
CHOLECYSTECTOMY.....	0.45	0.44	0.02	1.00	0.04						
HYSTERECTOMY.....	0.15	0.17	0.01	0.88	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

DAYTON-SPRINGFIELD, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	26,967	8.1	8.2	0.3	12.6	12.5	0.3	16.0	16.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	769	26.4	26.0	1.6	29.4	29.2	1.6	31.5	32.5	1.8
CONGESTIVE HEART FAILURE.....	1,491	14.8	14.6	1.0	23.2	22.6	1.4	30.4	29.2	1.9
PNEUMONIA/INFLUENZA.....	1,161	15.3	16.5	1.3	23.4	22.5	1.4	27.7	27.1	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	436	10.1	7.5	2.5	14.9	12.9	2.7	20.0	17.6	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	495	1.6	1.9	0.8	3.8	4.3	1.2	6.1	6.7	1.5
STROKE.....	949	16.3	20.4	2.1	23.3	27.0	2.2	27.3	31.4	2.3
HIP FRACTURE.....	583	6.9	6.5	1.2	11.5	11.8	1.4	14.1	15.3	2.0
SEPSIS.....	231	22.1	25.5	4.1	29.4	33.2	3.8	34.2	39.2	4.2
PROCEDURES:										
ANGIOPLASTY.....	287	2.4	2.8	1.0	3.1	3.7	1.3	3.1	4.6	1.6
CORONARY ARTERY BYPASS GRAFT.....	518	5.0	5.3	1.5	7.7	7.4	1.6	8.1	8.8	1.6
INITIAL PACEMAKER INSERTION.....	248	4.4	3.4	2.0	8.9	6.4	2.4	12.9	9.3	3.1
CARDIAC ENDARTERECTOMY.....	136	2.2	1.3	2.1	4.4	2.3	2.0	4.4	3.4	1.8
HIP REPLACEMENT/RECONSTRUCTION.....	427	3.3	3.2	1.4	5.6	6.1	1.8	6.8	8.3	2.6
OPEN REDUCTION OF HIP FRACTURE.....	245	6.1	6.2	1.6	10.6	11.5	2.2	13.5	15.1	3.3
PROSTATECTOMY.....	771	0.5	1.0	0.5	1.3	2.2	0.9	2.9	3.7	1.1
CHOLECYSTECTOMY.....	491	2.6	2.9	0.8	4.5	4.9	1.2	5.7	6.4	1.6
HYSTERECTOMY.....	194	1.5	0.8	0.9	3.1	1.7	1.5	4.1	2.5	1.9

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 134,370						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.82	28.23	0.14	0.95	0.00		4.59	4.55	0.06	1.01	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.72	0.87	0.02	0.84	0.02						
CONGESTIVE HEART FAILURE.....	1.73	1.71	0.04	1.01	0.02						
PNEUMONIA/INFLUENZA.....	1.17	1.19	0.03	0.99	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.56	0.53	0.02	1.05	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.42	0.02	1.04	0.04						
STROKE.....	0.86	0.93	0.03	0.93	0.03						
HIP FRACTURE.....	0.52	0.55	0.02	1.00	0.04						
SEPSIS.....	0.25	0.34	0.02	0.76	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.23	0.01	0.98	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.33	0.02	1.24	0.06						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.01	1.16	0.08						
CARDIAC ENDARTERECTOMY.....	0.12	0.12	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.39	0.02	**	**						
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.27	0.01	0.84	0.04						
PROSTATECTOMY.....	0.67	0.72	0.02	0.93	0.03						
CHOLECYSTECTOMY.....	0.42	0.44	0.02	0.97	0.04						
HYSTERECTOMY.....	0.16	0.17	0.01	0.94	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

HAMILTON-MIDOLETOWN, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,711	9.9	8.6	0.5	14.8	12.9	0.7	18.2	16.4	0.6
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	195	32.8	27.2	5.1	37.9	30.5	5.7	42.1	33.9	6.1
CONGESTIVE HEART FAILURE.....	373	16.9	15.0	3.8	26.0	23.3	4.5	31.9	30.0	3.3
PNEUMONIA/INFLUENZA.....	326	18.4	15.7	2.7	24.5	21.6	3.2	31.0	26.3	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	97	7.2	6.1	2.9	16.5	11.3	5.7	19.6	15.8	7.0
TRANSIENT CEREBRAL ISCHEMIA.....	157	0.0	1.7	2.0	1.9	3.8	2.5	5.1	6.0	2.2
STROKE.....	263	19.0	21.0	3.3	25.5	27.4	4.5	29.3	31.8	4.3
HIP FRACTURE.....	188	5.3	6.1	2.1	11.2	11.1	2.3	14.4	14.5	2.6
SEPSIS.....	74	31.1	28.5	7.6	39.2	34.9	7.1	40.5	40.4	6.7
PROCEDURE:										
ANGIOPLASTY.....	1	100.0	8.8	*	100.0	9.5	*	100.0	10.4	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	32	0.0	2.8	*	0.0	5.4	*	12.5	8.0	*
CAROTID ENDARTERECTOMY.....	52	3.8	1.3	2.9	3.8	2.4	3.3	3.8	3.5	3.8
HIP REPLACEMENT/RECONSTRUCTION.....	128	4.7	3.2	2.6	9.4	6.2	3.8	10.9	8.5	3.7
OPEN REDUCTION OF HIP FRACTURE.....	62	6.5	6.7	3.2	9.7	12.5	5.2	12.9	16.3	5.7
PROSTATECTOMY.....	208	0.5	1.0	0.9	1.0	2.5	1.7	3.4	4.1	1.9
CHOLECYSTECTOMY.....	125	4.0	2.9	3.0	8.0	5.2	3.9	9.6	6.7	4.0
HYSTERECTOMY.....	33	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 33,844					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.19	28.67	0.29	1.02	0.01	5.05	4.60	0.12	1.10	0.03
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.90	0.05	0.96	0.05					
CONGESTIVE HEART FAILURE.....	1.70	1.73	0.07	0.99	0.04					
PNEUMONIA/INFLUENZA.....	1.34	1.25	0.06	1.07	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.56	0.04	0.74	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.61	0.43	0.04	1.41	0.12					
STROKE.....	0.92	0.92	0.05	**	**					
HIP FRACTURE.....	0.61	0.58	0.04	1.06	0.08					
SEPSIS.....	0.29	0.34	0.03	0.86	0.08					
PROCEDURE:										
ANGIOPLASTY.....	0.31	0.25	0.03	1.22	0.13					
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.35	0.03	1.25	0.11					
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.02	0.81	0.10					
CAROTID ENDARTERECTOMY.....	0.22	0.14	0.02	1.00	0.15					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.40	0.03	1.10	0.09					
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.28	0.03	0.80	0.08					
PROSTATECTOMY.....	0.60	0.71	0.05	0.84	0.05					
CHOLECYSTECTOMY.....	0.44	0.46	0.04	0.94	0.07					
HYSTERECTOMY.....	0.14	0.17	0.02	0.82	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

LIMA, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,595	8.7	8.9	0.6	13.3	13.6	0.5	16.7	17.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	162	27.2	29.6	4.5	31.5	32.7	4.5	33.3	36.1	4.5
CONGESTIVE HEART FAILURE.....	374	12.8	15.1	3.8	21.1	23.2	4.1	26.7	30.0	4.3
PNEUMONIA/INFLUENZA.....	247	18.2	16.7	4.0	25.5	22.9	5.3	31.2	27.8	6.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	94	5.3	7.8	3.5	7.4	13.7	4.9	9.6	19.1	6.4
TRANSIENT CEREBRAL ISCHEMIA.....	122	0.8	1.9	1.4	1.6	4.2	2.5	3.3	6.8	3.6
STROKE.....	193	21.8	21.2	3.6	31.1	27.9	4.7	34.2	32.4	4.1
HIP FRACTURE.....	144	5.6	7.0	2.6	7.6	12.4	4.4	15.3	15.9	3.2
SEPSIS.....	46	28.3	29.5	*	39.1	37.9	*	41.3	44.4	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	41	0.0	4.3	*	2.4	7.6	*	4.9	10.8	*
CAROTID ENDARTERECTOMY.....	44	0.0	1.2	*	0.0	2.1	*	4.5	3.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	121	0.8	2.8	2.5	0.8	5.3	4.4	5.0	7.1	4.3
OPEN REDUCTION OF HIP FRACTURE.....	69	7.2	7.2	3.4	11.6	13.2	4.6	18.8	17.1	5.1
PROSTATECTOMY.....	110	0.0	0.8	1.0	0.0	2.1	1.9	0.9	3.6	2.4
CHOLECYSTECTOMY.....	100	0.0	2.9	3.0	2.0	5.3	4.3	4.0	7.2	4.8
HYSTERECTOMY.....	39	0.0	1.2	*	2.6	2.4	*	2.6	3.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 24,149						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.28	28.77	0.34	1.02	0.01		4.78	4.71	0.14	1.00	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.93	0.06	0.91	0.06						
CONGESTIVE HEART FAILURE.....	2.22	1.75	0.08	1.26	0.06						
PNEUMONIA/INFLUENZA.....	1.24	1.26	0.07	0.99	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.52	0.05	0.92	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.59	0.43	0.04	1.36	0.14						
STROKE.....	0.83	0.94	0.06	0.87	0.06						
HIP FRACTURE.....	0.61	0.62	0.05	0.99	0.08						
SEPSIS.....	0.25	0.34	0.04	0.75	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.22	0.24	0.03	0.83	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.35	0.04	1.06	0.12						
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.03	1.01	0.16						
CAROTID ENDARTERECTOMY.....	0.17	0.13	0.02	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.43	0.04	1.06	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.30	0.03	0.95	0.12						
PROSTATECTOMY.....	0.49	0.76	0.06	0.66	0.05						
CHOLECYSTECTOMY.....	0.45	0.46	0.04	1.02	0.10						
HYSTERECTOMY.....	0.19	0.17	0.03	1.14	0.19						

** QUANTITIES COULD NOT BE ESTIMATED

LORAIN-ELYRIA, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,608	7.8	8.4	0.5	12.2	12.9	0.7	15.9	16.6	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	168	17.3	25.8	5.2	21.4	29.1	5.3	24.4	32.4	5.1
CONGESTIVE HEART FAILURE.....	442	13.6	14.8	3.3	21.7	22.8	3.9	28.5	29.6	3.9
PNEUMONIA/INFLUENZA.....	310	14.8	16.2	2.3	23.2	22.0	2.6	26.1	26.6	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	138	3.6	11.1	3.5	8.0	17.2	4.4	13.0	22.4	4.5
TRANSIENT CEREBRAL ISCHEMIA.....	158	0.6	1.8	1.7	1.9	4.0	3.0	4.4	6.3	3.6
STROKE.....	257	17.1	18.1	2.7	25.3	24.9	2.8	29.2	29.4	3.0
HIP FRACTURE.....	131	5.3	6.3	2.3	11.5	11.5	3.0	16.0	15.0	3.3
SEPSIS.....	46	21.7	26.3	*	26.1	34.2	*	28.3	39.8	*
PROCEDURES:										
ANGIOPLASTY.....	70	0.0	2.7	3.5	1.4	3.4	3.3	2.9	4.3	3.6
CORONARY ARTERY BYPASS GRAFT.....	35	2.9	4.7	*	14.3	6.4	*	14.3	7.5	*
INITIAL PACEMAKER INSERTION.....	33	3.0	3.4	*	3.0	6.4	*	9.1	9.3	*
CAROTID ENDARTERECTOMY.....	57	5.3	1.4	2.3	8.8	2.7	3.3	12.3	4.0	4.2
HIP REPLACEMENT/RECONSTRUCTION.....	115	1.7	2.6	1.9	5.2	5.1	2.7	9.6	7.1	3.9
OPEN REDUCTION OF HIP FRACTURE.....	72	8.3	6.0	4.5	13.9	11.4	5.2	16.7	15.1	4.6
PROSTATECTOMY.....	199	0.0	1.0	1.1	2.5	2.4	1.1	3.5	4.1	1.6
CHOLECYSTECTOMY.....	145	2.8	2.4	1.4	4.1	4.4	1.7	4.8	5.9	2.1
HYSTERECTOMY.....	50	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 34,607					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.12	27.59	0.28	1.16	0.01	4.68	4.42	0.11	1.06	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.87	0.05	0.90	0.05					
CONGESTIVE HEART FAILURE.....	2.37	1.65	0.07	1.44	0.06					
PNEUMONIA/INFLUENZA.....	1.33	1.13	0.06	1.18	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.90	0.51	0.04	1.75	0.13					
TRANSIENT CEREBRAL ISCHEMIA.....	0.69	0.41	0.03	1.69	0.14					
STROKE.....	1.09	0.90	0.05	1.21	0.07					
HIP FRACTURE.....	0.50	0.55	0.04	0.91	0.07					
SEPSIS.....	0.25	0.33	0.03	0.74	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.37	0.27	0.03	1.36	0.14					
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.37	0.03	0.82	0.07					
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.02	0.94	0.12					
CAROTID ENDARTERECTOMY.....	0.27	0.14	0.02	1.00	0.15					
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.40	0.03	1.13	0.10					
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.27	0.03	0.98	0.10					
PROSTATECTOMY.....	0.73	0.76	0.05	0.96	0.06					
CHOLECYSTECTOMY.....	0.53	0.44	0.04	1.21	0.10					
HYSTERECTOMY.....	0.20	0.17	0.02	1.15	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

MANSFIELD, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,975	10.1	7.9	0.8	15.2	12.2	1.1	18.2	15.8	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	96	32.3	21.5	5.7	33.3	24.3	5.5	34.4	27.4	5.3
CONGESTIVE HEART FAILURE.....	150	19.3	14.6	4.1	29.3	22.7	5.6	37.3	29.4	6.1
PNEUMONIA/INFLUENZA.....	114	17.5	13.8	5.0	20.2	18.9	4.3	21.9	23.4	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	61	8.2	6.6	4.0	13.1	11.9	4.4	18.0	16.7	4.9
TRANSIENT CEREBRAL ISCHEMIA.....	68	4.4	1.6	3.0	5.9	3.5	3.5	5.9	5.4	3.9
STROKE.....	118	16.9	16.8	4.8	28.0	22.8	6.4	28.8	27.0	5.0
HIP FRACTURE.....	74	4.1	5.3	2.7	5.4	10.0	4.7	12.2	13.4	4.1
SEPSIS.....	8	0.0	22.9	*	12.5	30.4	*	12.5	36.5	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	20	5.0	3.3	*	5.0	6.3	*	20.0	9.3	*
CAROTID ENDARTERECTOMY.....	37	2.7	1.3	*	5.4	2.3	*	5.4	3.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	47	2.1	3.4	*	4.3	6.7	*	6.4	9.0	*
OPEN REDUCTION OF HIP FRACTURE.....	35	5.7	4.6	*	5.7	9.0	*	11.4	12.3	*
PROSTATECTOMY.....	80	0.0	0.5	1.1	1.2	1.3	1.4	2.5	2.1	1.7
CHOLECYSTECTOMY.....	55	1.8	2.5	2.2	3.6	4.7	3.5	3.6	6.3	4.2
HYSTERECTOMY.....	26	0.0	0.3	*	0.0	0.5	*	0.0	0.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 19,013						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	
ALL CAUSES.....	26.76	28.73	0.39	0.93	0.01		4.54	4.54	0.15	**	**
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.92	0.07	0.92	0.07						
CONGESTIVE HEART FAILURE.....	1.58	1.74	0.10	0.91	0.05						
PNEUMONIA/INFLUENZA.....	1.09	1.25	0.08	0.88	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.56	0.56	0.05	**	**						
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.43	0.05	0.85	0.10						
STROKE.....	0.82	0.93	0.07	0.88	0.07						
HIP FRACTURE.....	0.47	0.57	0.05	0.84	0.08						
SEPSIS.....	0.13	0.33	0.04	0.45	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.27	0.25	0.04	1.03	0.16						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.36	0.04	1.02	0.13						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.03	1.25	0.22						
CAROTID ENDARTERECTOMY.....	0.13	0.13	0.03	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.41	0.05	0.88	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.28	0.04	0.79	0.11						
PROSTATECTOMY.....	0.59	0.75	0.06	0.77	0.06						
CHOLECYSTECTOMY.....	0.45	0.47	0.05	0.98	0.11						
HYSTERECTOMY.....	0.15	0.17	0.03	0.88	0.17						

** QUANTITIES COULD NOT BE ESTIMATED

PARKERSBURG-MARIETTA, WV-OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,691	9.4	8.7	0.4	14.4	13.5	0.8	17.5	17.3	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	207	26.1	27.1	3.4	29.0	30.2	3.3	32.4	33.5	3.4
CONGESTIVE HEART FAILURE.....	357	17.1	15.8	3.6	26.6	24.5	3.0	31.1	31.5	2.5
PNEUMONIA/INFLUENZA.....	338	16.3	16.9	2.1	22.5	23.2	2.5	27.2	28.0	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	146	4.1	7.1	3.3	7.5	12.8	4.4	12.3	18.0	4.8
TRANSIENT CEREBRAL ISCHEMIA.....	118	1.7	1.9	1.9	5.1	4.3	2.0	6.8	6.9	2.4
STROKE.....	218	19.3	20.7	3.4	26.6	27.5	4.3	31.2	32.1	3.3
HIP FRACTURE.....	175	9.1	7.2	4.0	15.4	12.9	3.9	17.7	16.6	3.4
SEPSIS.....	69	23.2	24.6	5.5	36.2	32.0	7.3	39.1	37.6	7.1
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	16	6.3	6.6	*	12.5	11.2	*	12.5	15.0	*
CAROTIO ENOARTERECTOMY.....	24	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	128	4.7	3.2	2.0	9.4	6.3	3.4	10.2	8.6	3.3
OPEN REDUCTION OF HIP FRACTURE.....	65	9.2	7.2	6.2	16.9	13.2	6.5	18.5	17.2	6.8
PROSTATECTOMY.....	248	1.6	1.5	0.9	3.2	3.4	1.2	5.6	5.6	1.5
CHOLECYSTECTOMY.....	178	3.4	3.3	1.4	6.7	5.8	1.9	8.4	7.4	2.3
HYSTERECTOMY.....	56	1.8	0.9	1.4	1.8	1.9	2.0	1.8	3.0	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 24,635					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.41	28.97	0.34	1.22	0.01	4.96	4.73	0.14	1.05	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.16	0.96	0.06	1.21	0.08					
CONGESTIVE HEART FAILURE.....	2.27	1.73	0.08	1.31	0.06					
PNEUMONIA/INFLUENZA.....	1.67	1.36	0.07	1.22	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1.05	0.56	0.05	1.95	0.17					
TRANSIENT CEREBRAL ISCHEMIA.....	0.50	0.44	0.04	1.14	0.12					
STROKE.....	0.95	0.92	0.06	1.04	0.07					
HIP FRACTURE.....	0.63	0.63	0.05	**	**					
SEPSIS.....	0.32	0.32	0.04	**	**					
PROCEDURES:										
ANGIOPLASTY.....	0.23	0.23	0.03	0.97	0.14					
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.36	0.04	1.14	0.13					
INITIAL PACEMAKER INSERTION.....	0.09	0.19	0.03	0.44	0.07					
CAROTIO ENOARTERECTOMY.....	0.13	0.13	0.02	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.44	0.04	1.10	0.11					
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.30	0.03	0.73	0.09					
PROSTATECTOMY.....	0.97	0.75	0.06	1.26	0.10					
CHOLECYSTECTOMY.....	0.73	0.48	0.04	1.57	0.15					
HYSTERECTOMY.....	0.19	0.18	0.03	0.91	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

STEUBENVILLE-WEIRTON, OH-WV
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,708	8.6	8.7	0.5	13.4	13.2	0.5	16.7	16.8	0.6
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	118	31.4	29.0	6.3	35.6	32.0	6.1	37.3	35.4	5.0
CONGESTIVE HEART FAILURE.....	324	15.1	16.0	2.3	24.7	24.9	2.6	32.1	32.0	2.8
PNEUMONIA/INFLUENZA.....	232	10.3	17.3	3.9	19.4	23.6	3.3	23.3	28.4	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	164	8.5	7.7	2.7	13.4	13.5	2.9	18.3	18.5	3.2
TRANSIENT CEREBRAL ISCHEMIA.....	118	4.2	2.0	2.5	7.6	4.6	3.2	9.3	7.4	3.6
STROKE.....	159	22.6	21.9	3.8	27.0	28.1	3.7	30.2	32.6	4.6
HIP FRACTURE.....	74	6.8	5.8	5.8	13.5	10.4	8.0	17.6	13.5	10.1
SEPSIS.....	37	16.2	27.8	*	21.6	36.9	*	29.7	42.8	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	24	4.2	3.1	*	8.3	6.3	*	8.3	9.1	*
CAROTIO ENDARTERECTOMY.....	23	0.0	1.2	*	4.3	2.2	*	4.3	3.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	33	3.0	4.5	*	3.0	8.1	*	6.1	10.6	*
OPEN REDUCTION OF HIP FRACTURE.....	37	8.1	5.4	*	18.9	10.0	*	21.6	13.2	*
PROSTATECTOMY.....	130	2.3	0.8	1.7	4.6	1.9	2.8	5.4	3.3	2.4
CHOLECYSTECTOMY.....	77	6.5	2.9	3.4	9.1	4.9	4.1	10.4	6.2	4.9
HYSTERECTOMY.....	24	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 26,844						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	39.87	28.60	0.33	1.39	0.02		4.95	4.39	0.13	1.13	0.03
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.95	0.06	1.05	0.07						
CONGESTIVE HEART FAILURE.....	2.73	1.71	0.08	1.58	0.07						
PNEUMONIA/INFLUENZA.....	1.71	1.22	0.07	1.40	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1.43	0.57	0.05	2.49	0.21						
TRANSIENT CEREBRAL ISCHEMIA.....	0.81	0.44	0.04	1.79	0.17						
STROKE.....	1.13	0.92	0.06	1.21	0.08						
HIP FRACTURE.....	0.47	0.54	0.04	0.84	0.07						
SEPSIS.....	0.38	0.32	0.03	1.15	0.13						
PROCEDURES:											
ANGIOPLASTY.....	0.39	0.26	0.03	1.56	0.20						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.38	0.04	1.01	0.11						
INITIAL PACEMAKER INSERTION.....	0.26	0.19	0.03	1.31	0.20						
CAROTIO ENDARTERECTOMY.....	0.20	0.14	0.02	1.00	0.19						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.40	0.04	**	**						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.26	0.03	0.87	0.11						
PROSTATECTOMY.....	1.03	0.79	0.05	1.28	0.09						
CHOLECYSTECTOMY.....	0.55	0.49	0.04	1.08	0.10						
HYSTERECTOMY.....	0.16	0.17	0.03	0.88	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

TOLEDO, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	21,317	8.1	8.4	0.2	12.8	12.9	0.3	16.0	16.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	693	24.7	28.0	1.9	29.3	31.3	1.9	32.2	34.8	2.0
CONGESTIVE HEART FAILURE.....	1,137	13.5	14.6	1.8	22.4	22.7	1.7	29.3	29.4	1.5
PNEUMONIA/INFLUENZA.....	787	15.0	16.5	1.9	22.6	22.5	1.6	26.7	27.2	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	451	6.9	7.6	1.7	13.3	13.3	1.9	16.4	18.1	2.1
TRANSIENT CEREBRAL ISCHEMIA.....	410	2.4	1.9	0.8	4.9	4.2	1.1	6.1	6.6	1.2
STROKE.....	716	17.2	20.0	2.0	24.2	26.5	2.0	28.2	30.9	2.2
HIP FRACTURE.....	402	8.7	6.8	1.6	12.9	12.1	1.7	14.7	15.7	1.9
SEPSIS.....	211	25.1	28.9	3.5	33.6	37.6	3.8	37.9	44.1	4.7
PROCEDURES:										
ANGIOPLASTY.....	76	2.6	3.1	2.0	2.6	4.0	2.5	2.6	5.1	3.3
CORONARY ARTERY BYPASS GRAFT.....	206	5.8	4.4	1.9	7.3	6.3	1.9	7.8	7.7	2.0
INITIAL PACEMAKER INSERTION.....	189	3.2	4.0	1.6	7.9	7.3	2.1	10.6	10.3	2.4
CAROTID ENOARTERECTOMY.....	215	1.4	1.5	1.1	2.3	2.8	1.5	3.3	4.1	1.9
HIP REPLACEMENT/RECONSTRUCTION.....	343	3.8	2.8	1.3	5.0	5.3	1.4	7.0	7.2	1.5
OPEN REDUCTION OF HIP FRACTURE.....	171	9.4	6.3	2.4	12.3	11.6	2.5	12.9	15.1	3.7
PROSTATECTOMY.....	645	1.4	1.0	0.5	2.9	2.4	1.0	5.9	4.1	1.5
CHOLECYSTECTOMY.....	305	3.3	3.0	1.0	5.2	5.4	1.3	6.9	7.0	1.5
HYSTERECTOMY.....	161	1.2	0.5	0.8	1.2	1.2	1.2	3.1	1.8	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,546						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.53	27.31	0.39	1.15	0.02		4.79	4.61	0.16	1.04	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.35	0.89	0.07	1.52	0.13						
CONGESTIVE HEART FAILURE.....	2.18	1.60	0.10	1.35	0.08						
PNEUMONIA/INFLUENZA.....	1.37	1.20	0.08	1.12	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.78	0.47	0.05	1.62	0.19						
TRANSIENT CEREBRAL ISCHEMIA.....	0.71	0.40	0.05	1.75	0.23						
STROKE.....	0.82	0.88	0.07	0.97	0.08						
HIP FRACTURE.....	0.54	0.62	0.06	0.81	0.08						
SEPSIS.....	0.19	0.30	0.04	0.65	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.15	0.23	0.04	0.86	0.16						
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.36	0.05	0.89	0.12						
INITIAL PACEMAKER INSERTION.....	0.31	0.19	0.03	1.46	0.30						
CAROTID ENOARTERECTOMY.....	0.22	0.12	0.03	1.00	0.29						
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.44	0.05	1.18	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.29	0.04	0.70	0.11						
PROSTATECTOMY.....	0.66	0.77	0.07	0.82	0.07						
CHOLECYSTECTOMY.....	0.42	0.45	0.05	0.98	0.12						
HYSTERECTOMY.....	0.20	0.17	0.03	0.98	0.22						

** QUANTITIES COULD NOT BE ESTIMATED

WHEELING, WV-OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		D8S	PRED	SD	D8S	PRED	SD	D8S	PRED	SD
ALL CAUSES.....	8,897	8.5	9.2	0.4	13.3	13.8	0.5	16.7	17.5	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	283	31.8	28.7	4.0	34.6	32.2	3.5	37.8	35.8	3.2
CONGESTIVE HEART FAILURE.....	544	14.5	14.4	1.5	25.4	22.5	2.3	31.1	29.2	2.2
PNEUMONIA/INFLUENZA.....	500	12.6	17.2	3.1	21.2	23.4	2.7	25.4	28.3	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	190	7.4	7.4	1.9	9.5	13.0	2.9	12.6	17.9	3.7
TRANSIENT CEREBRAL ISCHEMIA.....	206	1.5	1.8	1.2	3.4	3.8	2.0	4.9	6.1	2.5
STROKE.....	349	18.9	19.2	2.3	25.2	25.6	2.7	30.1	30.0	2.5
HIP FRACTURE.....	201	7.5	6.5	2.7	12.4	11.8	3.5	18.4	15.3	4.9
SEPSIS.....	98	18.4	28.5	6.6	29.6	36.9	6.9	32.7	43.1	7.0
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	53	3.8	4.1	4.0	5.7	7.3	6.2	11.3	10.0	4.8
CAROTID ENDARTERECTOMY.....	59	0.0	1.5	*	0.0	3.0	*	0.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	124	4.0	3.6	1.7	8.9	6.9	2.9	11.3	9.4	4.7
OPEN REDUCTION OF HIP FRACTURE.....	100	7.0	6.0	2.5	11.0	11.2	3.5	19.0	14.8	5.7
PROSTATECTOMY.....	270	0.7	1.0	0.8	2.2	2.6	1.0	4.1	4.4	1.3
CHOLECYSTECTOMY.....	168	1.8	3.1	2.0	3.0	5.2	2.4	4.8	6.6	2.2
HYSTERECTOMY.....	60	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 32,199						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		D8S,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	36.71	29.23	0.30	1.26	0.01		5.07	4.61	0.12	1.10	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.14	0.98	0.06	1.16	0.07						
CONGESTIVE HEART FAILURE.....	2.62	1.77	0.07	1.47	0.06						
PNEUMONIA/INFLUENZA.....	2.00	1.30	0.06	1.55	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.85	0.57	0.04	1.51	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.67	0.46	0.04	1.46	0.13						
STROKE.....	1.15	0.95	0.05	1.21	0.07						
HIP FRACTURE.....	0.64	0.61	0.04	1.06	0.08						
SEPSIS.....	0.38	0.32	0.03	1.19	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.23	0.03	0.80	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.36	0.03	0.76	0.07						
INITIAL PACEMAKER INSERTION.....	0.17	0.20	0.02	0.92	0.13						
CAROTID ENDARTERECTOMY.....	0.23	0.13	0.02	1.00	0.17						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.43	0.04	0.92	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.35	0.29	0.03	1.20	0.13						
PROSTATECTOMY.....	0.82	0.76	0.05	1.07	0.07						
CHOLECYSTECTOMY.....	0.55	0.50	0.04	1.11	0.09						
HYSTERECTOMY.....	0.18	0.18	0.02	0.95	0.14						

** QUANTITIES COULD NOT BE ESTIMATED

YOUNGSTOWN-WARREN, OH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	17,452	7.9	8.9	0.2	12.3	13.5	0.3	15.8	17.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	487	22.6	25.8	3.2	25.1	28.9	3.5	27.7	32.3	3.8
CONGESTIVE HEART FAILURE.....	964	13.9	15.0	1.4	24.4	23.4	1.4	30.4	30.2	1.5
PNEUMONIA/INFLUENZA.....	716	17.2	17.4	1.4	23.3	23.6	1.6	27.5	28.5	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	379	7.7	9.0	1.7	16.4	15.5	1.9	22.4	21.0	2.3
TRANSIENT CEREBRAL ISCHEMIA.....	416	1.7	1.8	0.7	3.6	4.0	1.0	5.3	6.3	1.8
STROKE.....	547	17.7	20.7	3.1	23.0	27.0	3.4	28.0	31.4	3.5
HIP FRACTURE.....	343	6.7	6.9	1.4	12.8	12.2	1.9	14.6	15.7	2.2
SEPSIS.....	193	25.4	30.3	6.2	33.2	38.1	6.4	38.3	44.3	6.8
PROCEDURES:										
ANGIPLASTY.....	94	3.2	2.6	1.8	3.2	3.4	1.9	3.2	4.5	2.5
CORONARY ARTERY BYPASS GRAFT.....	210	5.2	5.6	1.8	7.6	7.7	1.9	8.1	8.9	2.4
INITIAL PACEMAKER INSERTION.....	104	6.7	5.1	2.5	11.5	9.2	3.9	15.4	12.7	5.2
CAROTID ENDARTERECTOMY.....	127	3.9	1.4	2.3	5.5	2.6	3.1	7.1	3.8	3.6
HIP REPLACEMENT/RECONSTRUCTION.....	215	4.2	4.0	1.3	7.9	7.9	1.9	10.2	10.8	2.5
OPEN REDUCTION OF HIP FRACTURE.....	155	5.8	6.4	2.0	14.8	11.9	5.7	14.8	15.5	5.0
PROSTATECTOMY.....	663	1.5	0.9	0.6	2.7	2.2	0.9	4.5	3.7	1.0
CHOLECYSTECTOMY.....	289	2.1	3.6	1.7	4.5	6.1	2.6	5.9	7.8	3.2
HYSTERECTOMY.....	110	0.0	1.3	1.4	0.9	2.6	2.3	1.8	3.8	2.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 87,607					MORTALITY				
	ADMISSION									
	OBS, %	PRED, %	SD, %	REL	SE	OBS, %	PRED, %	SD, %	REL	SE
ALL CAUSES.....	31.12	28.25	0.18	1.10	0.01	4.58	4.44	0.07	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.82	0.89	0.03	0.92	0.03					
CONGESTIVE HEART FAILURE.....	2.02	1.71	0.04	1.18	0.03					
PNEUMONIA/INFLUENZA.....	1.23	1.16	0.04	1.06	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.76	0.53	0.02	1.42	0.07					
TRANSIENT CEREBRAL ISCHEMIA.....	0.65	0.42	0.02	1.55	0.08					
STROKE.....	0.84	0.93	0.03	0.90	0.03					
HIP FRACTURE.....	0.53	0.54	0.02	1.01	0.05					
SEPSIS.....	0.35	0.34	0.02	1.01	0.06					
PROCEDURES:										
ANGIPLASTY.....	0.17	0.25	0.02	0.70	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.36	0.02	0.95	0.05					
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.96	0.08					
CAROTID ENDARTERECTOMY.....	0.17	0.13	0.01	1.00	0.10					
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.39	0.02	1.01	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.27	0.02	0.88	0.06					
PROSTATECTOMY.....	0.97	0.76	0.03	1.26	0.05					
CHOLECYSTECTOMY.....	0.44	0.45	0.02	0.96	0.05					
HYSTERECTOMY.....	0.15	0.17	0.01	0.87	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

DH-(NDNMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	DBS	PRED	SD	DBS	PRED	SD
ALL CAUSES.....	49,866	9.8	9.4	0.2	14.4	14.1	0.3	17.7	17.8	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,866	29.5	28.5	1.7	33.5	31.8	1.9	36.7	35.3	1.8
CONGESTIVE HEART FAILURE.....	3,169	16.8	15.4	0.8	25.7	23.8	1.4	32.0	30.7	0.9
PNEUMONIA/INFLUENZA.....	3,204	17.0	16.8	0.8	23.2	22.8	0.8	27.0	27.5	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1,027	6.7	7.5	1.3	12.2	13.0	1.4	16.5	17.9	1.7
TRANSIENT CEREBRAL ISCHEMIA.....	951	2.3	2.0	0.6	4.2	4.4	0.7	6.6	7.0	1.0
STROKE.....	1,886	20.5	20.6	1.0	27.3	27.0	1.1	31.0	31.4	1.1
HIP FRACTURE.....	1,289	7.8	6.9	0.8	11.2	12.3	1.0	15.1	15.9	1.1
SEPSIS.....	585	26.2	28.5	2.1	34.2	35.7	3.2	37.4	41.6	2.6
PROCEDURES:										
ANGIPLASTY.....	5	60.0	8.4	*	60.0	9.3	*	60.0	10.4	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	270	5.6	4.4	2.1	9.3	7.7	2.0	11.5	10.7	2.1
CARDIAC ENDARTERECTOMY.....	155	1.9	1.3	1.1	3.2	2.5	1.4	3.9	3.7	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	693	5.5	3.8	1.2	7.2	7.1	1.4	10.8	9.4	1.4
OPEN REDUCTION OF HIP FRACTURE.....	623	6.9	6.4	1.0	10.1	11.9	1.5	13.5	15.5	1.7
PROSTATECTOMY.....	1,390	0.9	0.9	0.3	2.2	2.2	0.7	3.2	3.7	0.8
CHOLECYSTECTOMY.....	1,052	2.5	2.4	0.5	3.7	4.1	0.7	4.6	5.3	0.8
HYSTERECTOMY.....	384	0.8	0.7	0.4	1.6	1.4	0.6	2.1	2.1	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 348,230						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.44	29.09	0.09	1.01	0.00		4.74	4.66	0.04	1.02	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.08	0.96	0.02	1.13	0.02						
CONGESTIVE HEART FAILURE.....	1.94	1.73	0.02	1.12	0.01						
PNEUMONIA/INFLUENZA.....	1.52	1.40	0.02	1.08	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.58	0.01	1.06	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.50	0.44	0.01	1.12	0.03						
STROKE.....	0.91	0.92	0.02	0.99	0.02						
HIP FRACTURE.....	0.57	0.60	0.01	0.93	0.02						
SEPSIS.....	0.29	0.32	0.01	0.91	0.03						
PROCEDURES:											
ANGIPLASTY.....	0.23	0.24	0.01	0.91	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.36	0.01	0.93	0.03						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.93	0.04						
CARDIAC ENDARTERECTOMY.....	0.17	0.13	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.43	0.01	0.96	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.01	0.94	0.03						
PROSTATECTOMY.....	0.68	0.77	0.01	0.90	0.02						
CHOLECYSTECTOMY.....	0.46	0.49	0.01	0.94	0.02						
HYSTERECTOMY.....	0.18	0.18	0.01	1.01	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

ENID, OK
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,032	8.5	7.7	0.8	12.4	11.9	0.7	15.1	15.2	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	82	30.5	29.7	5.3	34.1	33.2	5.7	39.0	36.9	6.2
CONGESTIVE HEART FAILURE.....	100	17.0	14.1	5.0	25.0	21.7	5.9	29.0	28.2	4.6
PNEUMONIA/INFLUENZA.....	114	13.2	15.5	5.1	21.9	21.5	6.8	23.7	26.1	5.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	43	14.0	6.6	*	18.6	11.8	*	23.3	16.6	*
TRANSIENT CEREBRAL ISCHEMIA.....	59	3.4	1.5	2.9	3.4	3.4	4.5	5.1	5.5	5.1
STROKE.....	101	26.7	22.0	8.5	33.7	28.3	8.5	36.6	32.8	6.6
HIP FRACTURE.....	120	8.3	6.4	2.9	13.3	11.7	4.7	19.2	15.3	6.2
SEPSIS.....	17	47.1	26.9	*	52.9	35.2	*	58.8	41.8	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	33	0.0	3.2	*	0.0	6.1	*	3.0	8.9	*
CAROTID ENDARTERECTOMY.....	3	0.0	1.1	*	0.0	1.8	*	0.0	2.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	82	4.9	2.9	2.2	8.5	5.7	3.8	12.2	7.8	5.0
OPEN REDUCTION OF HIP FRACTURE.....	67	4.5	5.4	3.1	6.0	10.1	5.3	11.9	13.3	4.7
PROSTATECTOMY.....	194	0.0	0.8	1.0	1.0	2.0	1.6	2.1	3.5	2.5
CHOLECYSTECTOMY.....	90	5.6	2.3	2.8	5.6	4.1	3.0	6.7	5.4	3.0
HYSTERECTOMY.....	45	0.0	0.7	*	0.0	1.6	*	0.0	2.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 9,684						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.45	28.71	0.54	1.03	0.02		4.39	4.92	0.22	0.89	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.98	0.93	0.10	1.02	0.11						
CONGESTIVE HEART FAILURE.....	1.48	1.73	0.13	0.85	0.07						
PNEUMONIA/INFLUENZA.....	1.23	1.36	0.12	0.88	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.50	0.07	0.90	0.14						
TRANSIENT CEREBRAL ISCHEMIA.....	0.62	0.42	0.07	1.48	0.24						
STROKE.....	1.08	0.94	0.10	1.15	0.13						
HIP FRACTURE.....	0.71	0.68	0.08	0.98	0.13						
SEPSIS.....	0.23	0.33	0.06	0.66	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.22	0.05	1.12	0.26						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.34	0.06	0.93	0.17						
INITIAL PACEMAKER INSERTION.....	0.24	0.20	0.04	1.28	0.31						
CAROTID ENDARTERECTOMY.....	0.03	0.11	0.04	1.00	0.33						
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.46	0.07	1.01	0.16						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.33	0.06	0.95	0.18						
PROSTATECTOMY.....	0.81	0.74	0.09	1.11	0.14						
CHOLECYSTECTOMY.....	0.70	0.45	0.07	1.55	0.25						
HYSTERECTOMY.....	0.38	0.18	0.04	2.07	0.54						

** QUANTITIES COULD NOT BE ESTIMATED

LANTON, OK
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,451	9.3	9.8	0.7	14.1	14.9	0.9	17.8	18.9	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	71	28.2	24.2	9.9	32.4	27.3	8.5	33.8	30.5	7.4
CONGESTIVE HEART FAILURE.....	107	15.0	15.1	5.4	19.6	23.2	6.6	25.2	29.9	8.7
PNEUMONIA/INFLUENZA.....	141	16.3	16.4	4.1	27.0	22.5	5.3	30.5	27.2	5.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	43	4.7	5.9	*	14.0	10.5	*	23.3	14.7	*
TRANSIENT CEREBRAL ISCHEMIA.....	37	0.0	1.7	*	0.0	3.8	*	2.7	6.1	*
STROKE.....	145	13.8	20.2	4.6	18.6	26.7	5.3	21.4	31.1	6.1
HIP FRACTURE.....	67	7.5	5.8	3.0	7.5	10.5	4.2	7.5	13.7	6.1
SEPSIS.....	27	14.8	24.6	*	22.2	31.1	*	33.3	36.5	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	13	0.0	3.6	*	7.7	7.3	*	15.4	10.9	*
CAROTID ENDARTERECTOMY.....	8	0.0	1.5	*	0.0	2.6	*	0.0	4.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	36	2.8	4.5	*	5.6	8.7	*	5.6	11.9	*
OPEN REDUCTION OF HIP FRACTURE.....	34	5.9	4.7	*	5.9	9.1	*	5.9	12.2	*
PROSTATECTOMY.....	58	1.7	1.3	1.6	1.7	3.2	2.7	5.2	5.4	3.1
CHOLECYSTECTOMY.....	44	0.0	2.1	*	2.3	3.7	*	4.5	5.0	*
HYSTERECTOMY.....	27	0.0	1.0	*	0.0	2.0	*	0.0	3.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 10,273									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.60	29.42	0.53	0.97	0.02	4.75	4.54	0.21	1.05	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.82	0.94	0.10	0.94	0.10					
CONGESTIVE HEART FAILURE.....	1.28	1.79	0.13	0.69	0.05					
PNEUMONIA/INFLUENZA.....	1.48	1.25	0.11	1.16	0.10					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.50	0.54	0.07	1.09	0.15					
TRANSIENT CEREBRAL ISCHEMIA.....	0.35	0.43	0.07	0.93	0.15					
STROKE.....	1.42	0.97	0.10	1.45	0.15					
HIP FRACTURE.....	0.60	0.57	0.07	1.04	0.14					
SEPSIS.....	0.35	0.34	0.06	0.95	0.17					
PROCEDURES:										
ANGIOPLASTY.....	0.32	0.25	0.05	1.40	0.30					
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.37	0.06	0.86	0.15					
INITIAL PACEMAKER INSERTION.....	0.14	0.20	0.04	0.86	0.21					
CAROTID ENDARTERECTOMY.....	0.16	0.14	0.04	1.00	0.30					
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.40	0.06	0.97	0.16					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.28	0.05	0.96	0.19					
PROSTATECTOMY.....	0.58	0.79	0.09	0.72	0.08					
CHOLECYSTECTOMY.....	0.46	0.48	0.07	0.86	0.13					
HYSTERECTOMY.....	0.18	0.17	0.04	0.94	0.25					

** QUANTITIES COULD NOT BE ESTIMATED

OKLAHOMA CITY, OK
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	29,500	8.3	8.1	0.3	13.1	12.7	0.4	16.5	16.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	712	29.5	27.9	2.2	33.8	31.5	2.2	35.1	35.1	1.8
CONGESTIVE HEART FAILURE.....	1,158	15.7	14.8	1.9	24.0	23.1	1.5	29.9	29.9	1.4
PNEUMONIA/INFLUENZA.....	1,095	15.9	15.5	1.8	23.1	21.4	2.3	27.4	25.9	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	488	10.7	7.4	2.5	15.6	12.9	2.6	19.5	17.7	2.2
TRANSIENT CEREBRAL ISCHEMIA.....	403	1.2	1.7	0.8	3.2	3.9	1.1	6.0	6.2	1.3
STROKE.....	911	22.7	21.2	1.9	30.2	27.4	2.6	34.9	31.8	2.7
HIP FRACTURE.....	777	7.2	6.3	1.2	12.5	11.4	1.6	15.4	14.9	1.4
SEPSIS.....	277	29.2	26.9	3.4	40.4	36.0	5.0	46.6	42.3	4.9
PROCEDURES:										
ANGIOPLASTY.....	400	2.5	2.6	0.8	3.2	3.5	0.9	4.2	4.6	1.1
CORONARY ARTERY BYPASS GRAFT.....	528	5.7	5.3	1.3	8.1	7.5	1.4	9.1	8.8	1.3
INITIAL PACEMAKER INSERTION.....	278	3.2	3.9	1.3	7.2	7.1	1.9	8.3	10.0	2.4
CAROTID ENDOARTERECTOMY.....	115	2.6	1.5	1.6	3.5	2.9	1.9	4.3	4.2	1.9
HIP REPLACEMENT/RECONSTRUCTION.....	650	2.0	2.9	1.0	5.4	5.5	1.1	7.2	7.5	1.0
OPEN REDUCTION OF HIP FRACTURE.....	352	8.0	5.8	2.7	12.5	11.1	2.9	16.2	14.7	2.6
PROSTATECTOMY.....	996	1.2	1.2	0.3	2.8	2.7	0.5	4.8	4.6	0.7
CHOLECYSTECTOMY.....	777	2.4	2.9	0.7	5.4	5.3	0.8	7.1	6.9	1.0
HYSTERECTOMY.....	248	0.0	1.0	1.0	1.6	2.0	0.9	2.8	2.9	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 114,345						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.61	27.92	0.16	1.17	0.01		4.80	4.69	0.06	1.02	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.89	0.03	0.94	0.03						
CONGESTIVE HEART FAILURE.....	1.63	1.69	0.04	0.96	0.02						
PNEUMONIA/INFLUENZA.....	1.37	1.20	0.03	1.14	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.64	0.49	0.02	1.33	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.41	0.02	1.08	0.05						
STROKE.....	1.00	0.93	0.03	1.08	0.03						
HIP FRACTURE.....	0.75	0.61	0.02	1.21	0.05						
SEPSIS.....	0.39	0.33	0.02	1.16	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.33	0.22	0.01	1.42	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.34	0.02	1.03	0.05						
INITIAL PACEMAKER INSERTION.....	0.25	0.19	0.01	1.27	0.09						
CAROTID ENDOARTERECTOMY.....	0.10	0.11	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.42	0.02	1.22	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.30	0.02	1.18	0.07						
PROSTATECTOMY.....	0.92	0.73	0.02	1.25	0.04						
CHOLECYSTECTOMY.....	0.70	0.43	0.02	1.62	0.08						
HYSTERECTOMY.....	0.20	0.17	0.01	1.24	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

TULSA, OK
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	20,973	8.7	8.6	0.2	13.6	13.3	0.4	16.9	16.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	812	23.5	24.4	2.5	27.2	28.0	2.6	30.8	31.5	2.3
CONGESTIVE HEART FAILURE.....	902	14.6	14.0	1.8	25.1	21.9	2.4	30.9	28.6	2.3
PNEUMONIA/INFLUENZA.....	766	13.6	14.6	1.9	20.9	20.1	2.2	24.3	24.4	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	256	9.8	7.3	2.8	15.6	12.8	3.5	18.8	17.6	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	277	1.1	1.7	1.0	3.2	3.9	1.4	5.8	6.1	1.6
STROKE.....	747	17.9	18.7	1.6	25.6	25.0	2.1	29.9	29.4	1.8
HIP FRACTURE.....	569	6.3	6.3	1.1	13.0	11.5	1.8	17.6	15.1	2.6
SEPSIS.....	240	27.1	25.3	3.1	36.2	33.9	4.1	41.7	40.3	3.3
PROCEDURES:										
ANGIOPLASTY.....	327	4.0	3.7	1.1	4.6	4.7	1.2	5.8	5.9	1.3
CORONARY ARTERY BYPASS GRAFT.....	469	7.5	5.5	1.6	10.2	7.7	2.1	10.7	9.2	1.6
INITIAL PACEMAKER INSERTION.....	211	5.2	3.6	1.8	8.1	6.7	2.1	12.8	9.6	3.3
CAROTID ENDARTERECTOMY.....	99	4.0	1.6	2.2	4.0	3.1	2.8	7.1	4.6	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	371	3.5	3.5	1.4	8.4	6.7	2.4	10.8	9.0	2.8
OPEN REDUCTION OF HIP FRACTURE.....	312	6.4	5.9	1.4	12.5	11.2	2.1	17.3	14.8	3.4
PROSTATECTOMY.....	610	0.5	1.1	0.6	2.1	2.5	0.7	3.1	4.2	1.1
CHOLECYSTECTOMY.....	414	3.6	3.1	1.0	5.6	5.5	1.1	6.5	7.2	1.4
HYSTERECTOMY.....	164	0.6	0.8	0.7	1.8	1.6	1.2	1.8	2.4	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 89,115					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.78	28.16	0.18	1.06	0.01	4.83	4.65	0.07	1.04	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.11	0.90	0.03	1.24	0.04					
CONGESTIVE HEART FAILURE.....	1.59	1.70	0.04	0.93	0.02					
PNEUMONIA/INFLUENZA.....	1.24	1.21	0.04	1.02	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.44	0.50	0.02	0.86	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.42	0.02	0.89	0.05					
STROKE.....	1.09	0.94	0.03	1.18	0.04					
HIP FRACTURE.....	0.73	0.60	0.03	1.23	0.05					
SEPSIS.....	0.39	0.33	0.02	1.17	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.34	0.23	0.02	1.44	0.11					
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.35	0.02	1.25	0.07					
INITIAL PACEMAKER INSERTION.....	0.24	0.19	0.01	1.25	0.10					
CAROTID ENDARTERECTOMY.....	0.11	0.12	0.01	1.00	0.11					
HIP REPLACEMENT/RECONSTRUCTION.....	0.49	0.42	0.02	1.18	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.38	0.29	0.02	1.31	0.09					
PROSTATECTOMY.....	0.76	0.75	0.03	1.03	0.04					
CHOLECYSTECTOMY.....	0.51	0.44	0.02	1.17	0.06					
HYSTERECTOMY.....	0.19	0.17	0.01	1.10	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

DK-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	36,661	10.2	9.5	0.2	14.6	14.2	0.2	18.1	18.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,328	33.2	29.7	1.6	36.6	33.3	1.6	40.1	37.0	1.6
CONGESTIVE HEART FAILURE.....	1,907	16.8	15.2	1.2	25.1	23.6	1.1	31.1	30.6	1.1
PNEUMONIA/INFLUENZA.....	2,573	14.8	15.4	0.9	20.5	21.3	1.0	24.8	25.8	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	694	8.4	7.3	1.2	13.0	12.9	1.3	17.4	17.8	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	612	1.8	2.0	0.6	4.2	4.4	0.9	7.4	7.2	1.1
STROKE.....	1,477	22.3	20.6	1.5	28.3	27.0	1.3	32.4	31.6	1.3
HIP FRACTURE.....	861	6.2	6.0	1.1	10.0	10.9	1.4	14.2	14.3	1.3
SEPSIS.....	424	24.8	25.5	3.1	31.8	33.4	4.4	38.0	39.5	3.0
PROCEDURES:										
ANGIPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	1	100.0	17.7	*	100.0	20.1	*	100.0	21.9	*
INITIAL PACEMAKER INSERTION.....	126	4.8	4.9	1.9	7.9	8.1	2.8	10.3	11.0	3.1
CARDIAC ENDARTERECTOMY.....	55	0.0	1.7	*	0.0	3.5	*	0.0	5.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	533	3.0	3.9	1.0	5.4	7.4	1.5	9.2	10.0	1.5
OPEN REDUCTION OF HIP FRACTURE.....	367	8.4	5.7	1.8	10.9	10.7	1.7	14.4	14.2	1.8
PROSTATECTOMY.....	1,056	0.7	1.0	0.3	1.7	2.3	0.7	4.0	3.9	0.6
CHOLECYSTECTOMY.....	743	3.6	2.6	0.8	5.1	4.7	0.9	7.0	6.1	1.1
HYSTERECTOMY.....	225	0.0	0.7	0.7	0.4	1.5	1.1	1.3	2.2	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 230,960						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.18	30.41	0.11	1.12	0.00		4.91	4.83	0.05	1.02	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.15	1.04	0.02	1.11	0.02						
CONGESTIVE HEART FAILURE.....	1.83	1.84	0.03	1.00	0.02						
PNEUMONIA/INFLUENZA.....	1.92	1.55	0.03	1.24	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.68	0.59	0.02	1.15	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.48	0.46	0.01	1.02	0.03						
STROKE.....	1.13	0.99	0.02	1.14	0.02						
HIP FRACTURE.....	0.70	0.64	0.02	1.11	0.03						
SEPSIS.....	0.35	0.33	0.01	1.05	0.04						
PROCEDURES:											
ANGIPLASTY.....	0.24	0.23	0.01	1.04	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.37	0.01	0.93	0.03						
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.01	0.94	0.05						
CARDIAC ENDARTERECTOMY.....	0.11	0.12	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.48	0.45	0.01	1.08	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.31	0.01	1.06	0.04						
PROSTATECTOMY.....	0.92	0.82	0.02	1.11	0.03						
CHOLECYSTECTOMY.....	0.61	0.52	0.01	1.17	0.04						
HYSTERECTOMY.....	0.18	0.18	0.01	1.04	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

EUGENE-SPRINGFIELD, OR
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,806	9.5	7.5	0.4	13.6	11.6	0.5	16.6	14.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	279	23.7	22.9	2.9	26.5	25.8	2.6	28.0	29.1	2.8
CONGESTIVE HEART FAILURE.....	315	19.7	12.8	3.0	27.9	20.2	3.6	33.0	26.7	3.5
PNEUMONIA/INFLUENZA.....	228	13.6	14.6	2.4	20.2	20.1	3.1	21.5	24.6	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	77	19.5	8.9	5.4	26.0	14.5	6.2	29.9	19.3	6.6
TRANSIENT CEREBRAL ISCHEMIA.....	87	2.3	1.8	1.7	4.6	4.1	2.2	6.9	6.5	2.7
STROKE.....	276	23.6	20.3	4.8	29.3	26.6	4.7	33.7	31.0	4.8
HIP FRACTURE.....	227	6.2	5.7	1.6	11.0	10.4	2.2	15.0	13.7	3.1
SEPSIS.....	50	32.0	20.9	*	32.0	28.1	*	44.0	33.9	*
PROCEDURES:										
ANGIOPLASTY.....	118	5.9	3.4	2.8	6.8	4.4	2.9	6.8	5.5	3.5
CORONARY ARTERY BYPASS GRAFT.....	169	4.7	3.9	1.7	5.9	5.8	1.8	5.9	7.2	2.4
INITIAL PACEMAKER INSERTION.....	44	2.3	3.2	*	2.3	6.2	*	6.8	9.0	*
CAROTID ENDARTERECTOMY.....	85	0.0	1.4	1.7	1.2	2.5	2.0	1.2	3.6	2.8
HIP REPLACEMENT/RECONSTRUCTION.....	204	2.5	2.4	1.2	3.9	4.3	1.7	4.4	5.8	2.5
OPEN REDUCTION OF HIP FRACTURE.....	59	6.8	5.3	5.0	15.3	10.1	7.5	16.9	13.4	8.2
PROSTATECTOMY.....	331	1.5	0.7	0.8	2.4	1.7	1.1	3.6	2.9	1.3
CHOLECYSTECTOMY.....	164	4.9	2.2	2.2	6.1	3.9	2.7	6.7	5.1	2.4
HYSTERECTOMY.....	90	1.1	0.4	1.3	2.2	0.8	1.6	2.2	1.2	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 41,129									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.48	26.78	0.25	0.80	0.01	4.61	4.45	0.10	1.04	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.90	0.05	0.94	0.05					
CONGESTIVE HEART FAILURE.....	1.24	1.56	0.06	0.79	0.03					
PNEUMONIA/INFLUENZA.....	0.79	1.19	0.05	0.66	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.25	0.50	0.03	0.50	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.40	0.03	0.69	0.05					
STROKE.....	0.81	0.86	0.05	0.95	0.05					
HIP FRACTURE.....	0.61	0.58	0.04	1.04	0.07					
SEPSIS.....	0.19	0.31	0.03	0.61	0.06					
PROCEDURES:										
ANGIOPLASTY.....	0.33	0.26	0.03	1.26	0.13					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.38	0.03	0.89	0.07					
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.02	0.56	0.07					
CAROTID ENDARTERECTOMY.....	0.24	0.14	0.02	1.00	0.14					
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.44	0.03	1.10	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.16	0.28	0.03	0.60	0.06					
PROSTATECTOMY.....	0.88	0.82	0.04	1.08	0.06					
CHOLECYSTECTOMY.....	0.49	0.45	0.03	1.11	0.08					
HYSTERECTOMY.....	0.23	0.18	0.02	1.26	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

MEOFORD, OR
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,536	9.5	8.4	0.5	13.8	12.9	0.5	17.4	16.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	173	24.9	25.8	3.9	28.3	28.8	4.2	30.6	32.1	3.9
CONGESTIVE HEART FAILURE.....	167	18.0	13.9	4.3	23.4	21.5	4.3	31.1	28.0	4.3
PNEUMONIA/INFLUENZA.....	141	12.1	12.6	3.8	12.1	17.5	5.3	17.0	21.4	5.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	51	13.7	5.9	6.0	19.6	10.9	8.6	25.5	15.3	9.3
TRANSIENT CEREBRAL ISCHEMIA.....	46	6.5	1.9	*	8.7	4.4	*	8.7	7.1	*
STROKE.....	161	24.8	19.1	4.2	32.3	25.8	4.6	36.6	30.2	4.9
HIP FRACTURE.....	116	8.6	6.4	2.8	15.5	11.6	4.0	21.6	15.3	6.1
SEPSIS.....	26	19.2	23.8	*	23.1	32.1	*	30.8	38.8	*
PROCEDURES:										
ANGIOPLASTY.....	50	4.0	3.5	*	4.0	4.6	*	6.0	5.8	*
CORONARY ARTERY BYPASS GRAFT.....	149	2.0	5.2	2.1	2.7	6.9	2.6	3.4	8.0	2.8
INITIAL PACEMAKER INSERTION.....	23	4.3	3.3	*	4.3	6.4	*	8.7	9.2	*
CAROTID ENDARTERECTOMY.....	60	0.0	1.5	2.1	0.0	2.9	3.4	1.7	4.3	3.4
HIP REPLACEMENT/RECONSTRUCTION.....	132	3.0	2.3	1.6	6.8	4.4	2.3	10.6	6.3	3.3
OPEN REDUCTION OF HIP FRACTURE.....	69	7.2	6.1	3.6	15.9	11.5	4.6	24.6	15.4	6.5
PROSTATECTOMY.....	201	0.5	1.0	0.8	1.0	2.4	1.5	2.5	4.0	2.3
CHOLECYSTECTOMY.....	89	0.0	2.3	2.7	1.1	4.1	3.2	2.2	5.2	3.3
HYSTERECTOMY.....	36	0.0	0.8	*	0.0	2.0	*	0.0	3.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 25,903						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	20.81	26.61	0.32	0.78	0.01		4.31	4.37	0.13	0.99	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.83	0.93	0.06	0.89	0.06						
CONGESTIVE HEART FAILURE.....	1.01	1.55	0.08	0.65	0.03						
PNEUMONIA/INFLUENZA.....	0.80	1.20	0.07	0.66	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.32	0.52	0.05	0.61	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.41	0.04	0.60	0.06						
STROKE.....	0.75	0.86	0.06	0.86	0.06						
HIP FRACTURE.....	0.55	0.55	0.05	**	**						
SEPSIS.....	0.15	0.31	0.03	0.45	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.30	0.03	0.65	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.41	0.04	0.89	0.09						
INITIAL PACEMAKER INSERTION.....	0.09	0.20	0.03	0.47	0.07						
CAROTID ENDARTERECTOMY.....	0.22	0.15	0.03	1.00	0.17						
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.44	0.04	1.19	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.27	0.03	1.22	0.15						
PROSTATECTOMY.....	0.84	0.88	0.06	0.95	0.06						
CHOLECYSTECTOMY.....	0.40	0.47	0.04	0.85	0.08						
HYSTERECTOMY.....	0.13	0.18	0.03	0.69	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

PORTLAND, OR
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	31,732	8.9	8.4	0.2	13.5	12.9	0.4	17.0	16.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	929	24.4	27.0	1.8	29.0	30.5	2.1	32.1	34.0	1.8
CONGESTIVE HEART FAILURE.....	1,333	17.5	15.5	1.5	27.7	23.8	2.0	34.4	30.7	2.0
PNEUMONIA/INFLUENZA.....	1,255	13.0	14.7	1.2	18.5	20.3	1.4	23.6	24.6	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	308	14.6	8.4	3.1	21.8	14.3	3.4	26.0	19.4	3.3
TRANSIENT CEREBRAL ISCHEMIA.....	274	2.6	1.9	1.4	6.9	4.3	1.9	11.7	6.9	2.5
STROKE.....	1,189	21.0	20.8	1.3	27.6	27.4	1.3	32.0	31.9	1.4
HIP FRACTURE.....	943	6.5	6.5	0.9	11.6	11.8	1.3	15.7	15.4	1.3
SEPSIS.....	306	25.5	24.3	4.0	34.0	32.4	3.2	40.5	38.5	3.4
PROCEDURES:										
ANGIOPLASTY.....	402	2.5	2.9	1.0	3.5	3.9	1.1	4.5	5.0	1.4
CORONARY ARTERY BYPASS GRAFT.....	720	6.4	5.6	0.9	7.9	8.0	1.1	8.5	9.7	1.2
INITIAL PACEMAKER INSERTION.....	187	3.7	3.2	1.4	5.3	6.2	1.9	9.1	9.0	2.1
CARDIAC ENDARTERECTOMY.....	252	1.2	1.4	1.1	3.2	2.7	1.1	3.6	4.0	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	828	2.8	2.9	0.7	5.0	5.5	1.0	7.0	7.5	1.2
OPEN REDUCTION OF HIP FRACTURE.....	433	7.2	5.9	1.9	12.5	11.1	3.3	17.1	14.6	3.8
PROSTATECTOMY.....	1,227	0.8	0.9	0.4	1.5	2.2	0.6	3.3	3.6	0.6
CHOLECYSTECTOMY.....	641	3.1	2.8	0.7	4.8	4.9	1.0	6.1	6.4	1.4
HYSTERECTOMY.....	320	0.9	0.9	0.6	1.6	1.9	0.9	3.1	2.8	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 166,575						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.69	26.83	0.13	0.85	0.00		4.72	4.71	0.05	1.00	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.70	0.86	0.02	0.82	0.02						
CONGESTIVE HEART FAILURE.....	1.22	1.59	0.03	0.76	0.01						
PNEUMONIA/INFLUENZA.....	0.94	1.17	0.03	0.80	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.28	0.45	0.02	0.62	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.20	0.39	0.01	0.51	0.02						
STROKE.....	0.87	0.88	0.02	0.98	0.03						
HIP FRACTURE.....	0.64	0.64	0.02	0.99	0.03						
SEPSIS.....	0.26	0.32	0.01	0.80	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.21	0.24	0.01	0.83	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.35	0.01	0.91	0.04						
INITIAL PACEMAKER INSERTION.....	0.11	0.19	0.01	0.57	0.03						
CARDIAC ENDARTERECTOMY.....	0.16	0.12	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.45	0.02	1.11	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.31	0.01	0.95	0.04						
PROSTATECTOMY.....	0.75	0.76	0.02	0.99	0.03						
CHOLECYSTECTOMY.....	0.39	0.41	0.02	0.94	0.04						
HYSTERECTOMY.....	0.17	0.18	0.01	0.97	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

SALEM, OR
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,865	10.8	9.2	0.4	15.8	13.8	0.7	19.0	17.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	214	29.9	27.9	3.2	32.7	31.2	3.4	35.0	34.6	3.3
CONGESTIVE HEART FAILURE.....	365	15.9	14.0	3.9	24.7	21.9	3.4	29.9	28.5	2.9
PNEUMONIA/INFLUENZA.....	249	15.3	14.8	2.3	20.1	20.3	2.6	24.1	24.6	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	68	13.2	7.8	3.9	19.1	13.5	4.8	27.9	18.4	6.1
TRANSIENT CEREBRAL ISCHEMIA.....	64	1.6	1.7	4.0	6.3	3.8	3.9	6.3	6.0	4.9
STROKE.....	292	22.9	23.5	2.6	33.2	29.9	4.5	35.3	34.5	3.2
HIP FRACTURE.....	194	6.7	6.1	1.9	11.9	11.1	2.5	14.4	14.5	2.6
SEPSIS.....	20	30.0	25.1	*	35.0	31.9	*	40.0	38.1	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	45	0.0	2.1	*	0.0	4.2	*	4.4	6.3	*
CAROTID ENDARTERECTOMY.....	55	1.8	1.2	1.6	1.8	2.2	2.3	3.6	3.2	2.9
HIP REPLACEMENT/RECONSTRUCTION.....	175	2.3	2.7	1.3	5.1	5.2	1.9	6.3	7.1	2.2
OPEN REDUCTION OF HIP FRACTURE.....	95	8.4	5.4	4.8	12.6	10.1	5.2	14.7	13.3	4.1
PROSTATECTOMY.....	224	0.4	0.6	0.5	1.8	1.3	0.8	2.2	2.3	1.2
CHOLECYSTECTOMY.....	160	1.9	2.6	2.1	3.8	4.7	2.8	4.4	6.2	2.7
HYSTERECTOMY.....	45	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 44,867						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.24	26.72	0.24	0.79	0.01		4.38	4.60	0.10	0.95	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.74	0.89	0.04	0.83	0.04						
CONGESTIVE HEART FAILURE.....	1.43	1.56	0.06	0.92	0.03						
PNEUMONIA/INFLUENZA.....	0.88	1.23	0.05	0.71	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.29	0.48	0.03	0.61	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.23	0.39	0.03	0.60	0.05						
STROKE.....	0.81	0.86	0.04	0.94	0.05						
HIP FRACTURE.....	0.57	0.62	0.04	0.89	0.05						
SEPSIS.....	0.09	0.31	0.03	0.34	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.25	0.02	0.70	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.37	0.03	0.86	0.07						
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.02	0.82	0.09						
CAROTID ENDARTERECTOMY.....	0.19	0.13	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.45	0.03	1.15	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.30	0.03	0.86	0.08						
PROSTATECTOMY.....	0.62	0.79	0.04	0.79	0.04						
CHOLECYSTECTOMY.....	0.43	0.44	0.03	0.95	0.07						
HYSTERECTOMY.....	0.14	0.18	0.02	0.84	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

OR-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	21,010	9.4	8.6	0.2	13.9	13.0	0.4	17.0	16.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	753	24.8	27.2	1.9	27.9	30.4	2.0	31.1	33.9	2.1
CONGESTIVE HEART FAILURE.....	1,019	17.4	14.4	1.7	27.0	22.1	2.5	32.3	28.7	1.7
PNEUMONIA/INFLUENZA.....	1,133	16.4	15.3	1.5	22.9	21.0	1.6	27.0	25.4	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	335	7.5	7.5	1.6	12.5	13.2	2.0	17.9	18.3	2.6
TRANSIENT CEREBRAL ISCHEMIA.....	242	1.7	1.9	1.1	4.1	4.2	2.7	10.3	6.8	2.8
STROKE.....	777	20.7	20.0	2.2	28.3	26.7	2.1	31.1	31.2	1.7
HIP FRACTURE.....	638	4.9	6.4	1.8	10.5	11.5	2.0	13.6	15.0	2.3
SEPSIS.....	184	22.8	25.8	5.0	31.0	33.0	5.1	33.7	39.0	6.2
PROCEDURES:										
ANGIOPLASTY.....	67	10.4	5.4	3.5	13.4	6.2	4.2	13.4	7.4	4.5
CORONARY ARTERY BYPASS GRAFT.....	63	7.9	6.0	3.8	9.5	8.1	6.6	11.1	9.4	7.5
INITIAL PACEMAKER INSERTION.....	87	2.3	3.1	3.2	6.9	5.6	3.3	9.2	8.1	4.9
CAROTID ENDOARTERECTOMY.....	152	2.0	1.4	1.4	2.0	2.7	1.9	2.6	4.1	2.8
HIP REPLACEMENT/RECONSTRUCTION.....	445	1.3	2.9	1.2	4.0	5.6	2.0	5.6	7.7	2.2
OPEN REDUCTION OF HIP FRACTURE.....	345	4.3	5.9	1.9	11.3	11.0	1.8	14.2	14.5	2.0
PROSTATECTOMY.....	1,036	1.0	0.8	0.3	1.7	1.8	0.4	3.0	3.0	0.6
CHOLECYSTECTOMY.....	610	2.8	2.7	0.7	4.8	4.8	1.0	5.4	6.3	1.5
HYSTERECTOMY.....	190	1.1	1.0	1.4	2.6	2.0	1.2	3.2	2.9	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 154,427						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.15	26.81	0.13	0.90	0.00		4.38	4.31	0.05	1.01	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.94	0.02	0.92	0.02						
CONGESTIVE HEART FAILURE.....	1.23	1.55	0.03	0.79	0.02						
PNEUMONIA/INFLUENZA.....	1.10	1.23	0.03	0.89	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.52	0.02	0.79	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.23	0.41	0.02	0.60	0.03						
STROKE.....	0.79	0.86	0.02	0.93	0.03						
HIP FRACTURE.....	0.53	0.54	0.02	0.99	0.04						
SEPSIS.....	0.19	0.30	0.01	0.72	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.28	0.01	0.79	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.41	0.02	0.87	0.04						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.01	0.72	0.05						
CAROTID ENDOARTERECTOMY.....	0.19	0.14	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.44	0.02	1.06	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.26	0.01	1.06	0.06						
PROSTATECTOMY.....	0.92	0.90	0.02	1.03	0.03						
CHOLECYSTECTOMY.....	0.52	0.48	0.02	1.11	0.04						
HYSTERECTOMY.....	0.17	0.18	0.01	0.94	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

ALTOONA, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,123	10.8	9.7	0.5	16.5	14.4	0.9	19.9	18.2	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	242	31.8	27.7	3.4	37.6	31.0	4.3	40.5	34.5	4.4
CONGESTIVE HEART FAILURE.....	332	19.3	15.0	2.6	31.9	23.0	3.7	38.6	29.7	3.8
PNEUMONIA/INFLUENZA.....	206	14.6	16.8	3.4	20.4	22.9	5.3	24.3	27.7	5.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	107	7.5	10.1	4.8	13.1	16.4	5.7	13.1	21.6	7.5
TRANSIENT CEREBRAL ISCHEMIA.....	107	0.0	2.1	3.8	4.7	4.6	4.8	15.0	7.4	3.5
STROKE.....	190	18.4	19.0	2.9	26.3	25.6	5.1	31.6	29.9	4.7
HIP FRACTURE.....	144	6.9	6.7	2.1	14.6	12.0	3.5	18.8	15.5	4.6
SEPSIS.....	54	35.2	28.9	8.7	42.6	36.3	8.7	44.4	42.6	7.3
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	1	0.0	4.2	*	0.0	5.5	*	0.0	6.3	*
INITIAL PACEMAKER INSERTION.....	41	2.4	2.9	*	7.3	5.4	*	12.2	7.8	*
CAROTID ENDARTERECTOMY.....	16	6.3	1.7	*	6.3	3.1	*	6.3	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	71	2.8	3.7	2.4	7.0	6.9	3.1	9.9	9.0	3.8
OPEN REDUCTION OF HIP FRACTURE.....	83	7.2	6.4	2.9	15.7	12.0	5.6	20.5	15.7	7.2
PROSTATECTOMY.....	156	1.9	1.0	1.5	5.1	2.5	2.9	5.8	4.2	3.5
CHOLECYSTECTOMY.....	117	6.0	3.1	3.3	6.8	5.5	3.5	9.4	7.2	3.0
HYSTERECTOMY.....	44	2.3	0.4	*	4.5	0.9	*	4.5	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 25,613					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.06	29.90	0.34	0.91	0.01	5.06	4.68	0.13	1.08	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.20	1.02	0.06	1.17	0.07					
CONGESTIVE HEART FAILURE.....	1.97	1.83	0.08	1.07	0.05					
PNEUMONIA/INFLUENZA.....	1.02	1.39	0.07	0.74	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.69	0.61	0.05	1.11	0.09					
TRANSIENT CEREBRAL ISCHEMIA.....	0.48	0.47	0.04	1.03	0.10					
STROKE.....	0.84	0.97	0.06	0.87	0.05					
HIP FRACTURE.....	0.62	0.63	0.05	0.98	0.08					
SEPSIS.....	0.29	0.32	0.04	0.83	0.09					
PROCEDURES:										
ANGIOPLASTY.....	0.10	0.23	0.03	0.49	0.07					
CORONARY ARTERY BYPASS GRAFT.....	0.21	0.36	0.04	0.56	0.06					
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.03	1.03	0.15					
CAROTID ENDARTERECTOMY.....	0.10	0.13	0.02	1.00	0.18					
HIP REPLACEMENT/RECONSTRUCTION.....	0.32	0.44	0.04	0.73	0.07					
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.30	0.03	1.23	0.15					
PROSTATECTOMY.....	0.65	0.75	0.05	0.88	0.06					
CHOLECYSTECTOMY.....	0.49	0.52	0.04	0.94	0.08					
HYSTERECTOMY.....	0.15	0.18	0.03	0.86	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

BEAVER COUNTY, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,244	9.2	8.9	0.5	14.2	13.8	0.7	17.4	17.6	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	166	28.9	25.7	6.9	33.7	29.2	7.6	36.7	32.6	8.4
CONGESTIVE HEART FAILURE.....	308	15.6	14.9	2.2	27.3	23.2	4.3	33.1	30.2	3.6
PNEUMONIA/INFLUENZA.....	252	21.0	17.9	5.1	28.2	24.5	6.2	32.1	29.5	5.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	43	4.7	7.3	*	9.3	12.5	*	14.0	17.1	*
TRANSIENT CEREBRAL ISCHEMIA.....	95	2.1	1.8	1.5	4.2	3.9	2.5	4.2	6.1	3.4
STROKE.....	188	21.3	20.2	3.6	28.7	27.1	4.3	31.4	31.6	3.5
HIP FRACTURE.....	113	9.7	7.2	4.6	16.8	12.9	5.4	17.7	16.7	5.6
SEPSIS.....	27	29.6	35.1	*	33.3	43.8	*	37.0	50.6	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	25	4.0	4.0	*	8.0	7.5	*	8.0	10.3	*
CAROTID ENDARTERECTOMY.....	10	10.0	1.9	*	30.0	3.7	*	30.0	5.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	87	3.4	3.3	2.0	9.2	6.5	3.4	13.8	8.8	5.3
OPEN REDUCTION OF HIP FRACTURE.....	61	11.5	7.0	4.5	14.8	12.7	4.5	14.8	16.5	5.3
PROSTATECTOMY.....	167	1.2	0.8	1.2	1.8	1.8	1.8	1.8	3.1	2.4
CHOLECYSTECTOMY.....	111	2.7	3.3	1.8	6.3	5.9	2.6	7.2	7.8	2.6
HYSTERECTOMY.....	33	0.0	0.5	*	0.0	1.1	*	3.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 34,222						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.00	27.78	0.28	1.15	0.01		4.62	4.32	0.11	1.07	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.06	0.92	0.05	1.14	0.06						
CONGESTIVE HEART FAILURE.....	2.17	1.67	0.07	1.30	0.05						
PNEUMONIA/INFLUENZA.....	1.28	1.13	0.06	1.15	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.53	0.04	0.75	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.51	0.43	0.04	1.19	0.10						
STROKE.....	0.94	0.91	0.05	1.03	0.06						
HIP FRACTURE.....	0.52	0.54	0.04	0.97	0.07						
SEPSIS.....	0.20	0.32	0.03	0.66	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.37	0.27	0.03	1.30	0.14						
CORONARY ARTERY BYPASS GRAFT.....	0.52	0.39	0.03	1.32	0.12						
INITIAL PACEMAKER INSERTION.....	0.18	0.20	0.02	0.83	0.11						
CAROTID ENDARTERECTOMY.....	0.09	0.15	0.02	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.40	0.03	1.13	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.26	0.03	1.06	0.12						
PROSTATECTOMY.....	0.74	0.81	0.05	0.91	0.05						
CHOLECYSTECTOMY.....	0.49	0.47	0.04	1.02	0.08						
HYSTERECTOMY.....	0.19	0.17	0.02	1.06	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

ERIE, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,093	9.1	8.9	0.3	14.0	13.5	0.5	17.6	17.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	261	27.2	27.1	2.8	30.7	30.5	3.0	33.7	33.8	3.2
CONGESTIVE HEART FAILURE.....	515	13.8	14.8	1.9	23.9	22.9	2.2	31.8	29.7	3.7
PNEUMONIA/INFLUENZA.....	367	16.6	16.6	2.0	23.2	22.6	2.9	27.5	27.3	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	173	6.4	7.9	3.0	11.6	13.5	3.2	16.8	18.4	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	171	4.1	1.9	1.7	5.3	4.3	2.3	7.6	6.8	2.1
STROKE.....	304	24.0	19.5	4.3	30.3	26.3	4.4	33.9	30.7	3.9
HIP FRACTURE.....	181	5.0	7.1	2.4	12.7	12.7	2.5	18.8	16.4	3.4
SEPSIS.....	74	29.7	29.9	5.6	36.5	38.9	5.9	39.2	45.7	7.1
PROCEDURES:										
ANGIOPLASTY.....	102	2.9	2.7	1.7	2.9	3.8	2.1	3.9	5.0	2.5
CORONARY ARTERY BYPASS GRAFT.....	197	3.6	4.7	1.8	8.1	7.0	2.9	10.2	8.5	2.1
INITIAL PACEMAKER INSERTION.....	72	5.6	4.6	2.7	9.7	7.9	3.9	12.5	10.7	4.3
CARDIAC ENDARTERECTOMY.....	33	9.1	1.4	*	9.1	2.8	*	9.1	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	137	3.6	3.1	1.7	7.3	5.9	3.0	10.2	8.0	4.5
OPEN REDUCTION OF HIP FRACTURE.....	61	3.3	6.3	4.2	13.1	12.0	4.7	19.7	15.9	7.3
PROSTATECTOMY.....	256	1.6	1.3	0.9	4.7	2.7	1.9	6.6	4.4	2.6
CHOLECYSTECTOMY.....	151	4.6	3.3	1.8	8.6	5.9	2.4	11.3	7.9	2.8
HYSTERECTOMY.....	64	3.1	0.6	2.2	4.7	1.3	2.5	6.3	2.0	3.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 43,316					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.42	28.68	0.26	0.92	0.01	4.92	4.48	0.10	1.10	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.68	0.95	0.05	0.71	0.03					
CONGESTIVE HEART FAILURE.....	1.80	1.74	0.06	1.04	0.04					
PNEUMONIA/INFLUENZA.....	1.14	1.23	0.05	0.92	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.65	0.56	0.04	1.16	0.07					
TRANSIENT CEREBRAL ISCHEMIA.....	0.47	0.43	0.03	1.09	0.08					
STROKE.....	0.89	0.93	0.05	0.96	0.05					
HIP FRACTURE.....	0.49	0.57	0.04	0.86	0.05					
SEPSIS.....	0.27	0.32	0.03	0.83	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.15	0.25	0.02	0.61	0.06					
CORONARY ARTERY BYPASS GRAFT.....	0.27	0.36	0.03	0.73	0.06					
INITIAL PACEMAKER INSERTION.....	0.18	0.20	0.02	0.89	0.10					
CARDIAC ENDARTERECTOMY.....	0.06	0.14	0.02	1.00	0.13					
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.42	0.03	0.87	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.17	0.28	0.02	0.60	0.05					
PROSTATECTOMY.....	0.66	0.76	0.04	0.87	0.05					
CHOLECYSTECTOMY.....	0.40	0.48	0.03	0.83	0.06					
HYSTERECTOMY.....	0.17	0.18	0.02	0.97	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

JOHNSTOWN, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	9,415	9.0	9.2	0.3	13.6	13.9	0.4	16.6	17.7	0.6
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	313	27.2	27.8	3.5	33.5	31.5	4.4	35.8	35.0	2.8
CONGESTIVE HEART FAILURE.....	565	15.0	15.6	1.6	26.4	24.2	2.4	31.2	31.2	2.0
PNEUMONIA/INFLUENZA.....	392	17.9	18.0	2.2	23.5	24.4	2.3	29.3	29.3	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	156	6.4	8.5	3.6	12.8	14.5	4.3	17.9	19.6	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	269	1.5	2.1	1.0	3.7	4.6	1.5	7.1	7.3	1.6
STROKE.....	357	21.6	20.8	2.8	29.7	27.9	3.5	34.2	32.4	4.5
HIP FRACTURE.....	159	4.4	7.5	2.9	11.3	13.1	4.2	13.2	16.9	4.9
SEPSIS.....	122	28.7	25.3	6.2	35.2	33.2	5.3	39.3	39.1	4.6
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	66	6.1	6.6	3.5	9.1	11.4	5.6	9.1	15.1	7.1
CAROTID ENDOARTERECTOMY.....	50	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	100	2.0	3.5	2.2	6.0	6.4	3.1	6.0	8.5	3.6
OPEN REDUCTION OF HIP FRACTURE.....	57	5.3	7.8	4.2	12.3	14.1	6.4	14.0	18.2	8.2
PROSTATECTOMY.....	223	1.3	1.4	0.8	1.8	3.2	1.5	3.1	5.1	2.2
CHOLECYSTECTOMY.....	212	2.8	2.8	1.3	7.5	4.8	2.6	7.5	6.2	2.7
HYSTERECTOMY.....	59	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 47,965						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	33.51	29.55	0.25	1.13	0.01		4.57	4.49	0.10	1.02	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.13	1.00	0.05	1.10	0.05						
CONGESTIVE HEART FAILURE.....	2.32	1.77	0.06	1.30	0.04						
PNEUMONIA/INFLUENZA.....	1.21	1.33	0.05	0.90	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.63	0.60	0.04	1.04	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.83	0.46	0.03	1.83	0.13						
STROKE.....	1.07	0.95	0.04	1.14	0.05						
HIP FRACTURE.....	0.49	0.58	0.03	0.84	0.05						
SEPSIS.....	0.44	0.31	0.03	1.35	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.24	0.02	0.71	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.37	0.03	1.03	0.08						
INITIAL PACEMAKER INSERTION.....	0.25	0.20	0.02	1.25	0.15						
CAROTID ENDOARTERECTOMY.....	0.21	0.14	0.02	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.42	0.03	0.80	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.18	0.28	0.02	0.61	0.06						
PROSTATECTOMY.....	0.65	0.78	0.04	0.80	0.04						
CHOLECYSTECTOMY.....	0.60	0.52	0.03	1.13	0.08						
HYSTERECTOMY.....	0.16	0.18	0.02	0.81	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

LANCASTER, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,241	8.1	8.2	0.3	12.8	12.5	0.4	15.9	15.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	322	23.9	27.1	4.6	28.9	30.1	4.9	30.7	33.2	4.2
CONGESTIVE HEART FAILURE.....	502	15.3	14.6	1.9	23.3	22.5	2.0	28.3	29.1	2.4
PNEUMONIA/INFLUENZA.....	324	14.5	15.9	2.7	20.1	21.7	3.1	24.1	26.3	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	145	9.0	7.8	3.7	15.9	13.7	5.0	20.0	18.7	3.9
TRANSIENT CEREBRAL ISCHEMIA.....	222	2.3	1.8	1.1	3.2	4.0	1.5	6.3	6.2	1.6
STROKE.....	368	22.0	22.2	2.5	28.3	28.5	2.5	31.0	32.9	2.9
HIP FRACTURE.....	308	4.2	6.9	2.3	10.7	12.3	2.9	14.3	16.0	2.3
SEPSIS.....	82	23.2	24.7	4.9	32.9	32.8	5.7	40.2	39.0	5.5
PROCEDURES:										
ANGIOPLASTY.....	158	8.2	4.9	2.9	10.1	6.1	3.2	10.8	7.4	3.1
CORONARY ARTERY BYPASS GRAFT.....	246	3.7	6.1	2.3	6.9	8.6	2.4	8.5	10.2	2.2
INITIAL PACEMAKER INSERTION.....	188	3.7	3.7	1.6	6.4	7.0	3.0	8.0	10.1	3.6
CAROTID ENDARTERECTOMY.....	39	0.0	1.4	*	2.6	2.7	*	2.6	4.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	203	2.5	3.3	1.7	6.4	6.1	2.0	8.9	8.1	2.3
OPEN REDUCTION OF HIP FRACTURE.....	168	4.2	6.3	2.9	9.5	11.8	3.7	12.5	15.4	3.2
PROSTATECTOMY.....	365	0.8	1.0	0.8	2.5	2.3	1.2	4.7	3.8	1.4
CHOLECYSTECTOMY.....	206	3.4	3.0	1.7	6.8	5.3	2.1	7.8	6.9	2.4
HYSTERECTOMY.....	83	1.2	0.7	1.3	3.6	1.5	2.7	4.8	2.2	3.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 58,750						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.60	27.37	0.22	0.90	0.01		4.60	4.65	0.09	0.99	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.92	0.04	0.83	0.04						
CONGESTIVE HEART FAILURE.....	1.39	1.64	0.05	0.84	0.03						
PNEUMONIA/INFLUENZA.....	0.79	1.21	0.04	0.65	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.47	0.03	0.86	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.40	0.03	1.10	0.07						
STROKE.....	0.81	0.90	0.04	0.89	0.04						
HIP FRACTURE.....	0.64	0.63	0.03	1.01	0.05						
SEPSIS.....	0.21	0.31	0.02	0.73	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.34	0.23	0.02	1.38	0.13						
CORONARY ARTERY BYPASS GRAFT.....	0.60	0.36	0.02	1.69	0.12						
INITIAL PACEMAKER INSERTION.....	0.41	0.20	0.02	1.99	0.20						
CAROTID ENDARTERECTOMY.....	0.08	0.12	0.01	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.46	0.03	0.89	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.35	0.30	0.02	1.16	0.09						
PROSTATECTOMY.....	0.72	0.80	0.04	0.92	0.04						
CHOLECYSTECTOMY.....	0.42	0.45	0.03	0.98	0.06						
HYSTERECTOMY.....	0.17	0.18	0.02	1.03	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

PITTSBURGH, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	89,405	8.1	9.0	0.1	12.9	13.8	0.2	16.5	17.7	0.2
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,795	24.8	26.3	1.4	29.2	29.9	1.5	32.4	33.4	1.2
CONGESTIVE HEART FAILURE.....	4,760	13.5	15.9	0.6	22.6	24.6	0.7	29.3	31.7	0.8
PNEUMONIA/INFLUENZA.....	3,172	15.6	17.3	0.9	22.7	23.5	0.8	27.7	28.4	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,678	7.2	8.6	0.8	13.8	14.9	1.0	18.4	20.2	1.3
TRANSIENT CEREBRAL ISCHEMIA.....	1,693	1.4	1.9	0.5	3.5	4.3	0.7	6.3	6.9	0.8
STROKE.....	3,059	18.6	20.6	0.9	24.7	27.4	1.2	28.8	31.9	1.2
HIP FRACTURE.....	1,619	7.2	7.1	0.7	12.9	12.6	0.9	15.8	16.2	1.0
SEPSIS.....	921	26.7	28.2	2.4	35.1	36.7	3.0	39.6	42.8	3.4
PROCEDURES:										
ANGIOPLASTY.....	842	2.7	2.8	0.7	3.7	3.8	0.7	5.0	5.0	0.8
CORONARY ARTERY BYPASS GRAFT.....	1,221	6.4	5.6	1.4	8.8	8.3	1.1	10.1	9.9	1.1
INITIAL PACEMAKER INSERTION.....	673	3.7	3.8	0.7	7.4	7.2	1.0	9.8	10.3	1.3
CAROTID ENOARTERECTOMY.....	301	3.0	1.4	1.5	4.3	2.8	1.6	5.0	4.1	1.8
HIP REPLACEMENT/RECONSTRUCTION.....	1,226	3.2	3.2	1.0	5.6	6.0	1.2	7.4	8.1	1.0
OPEN REDUCTION OF HIP FRACTURE.....	890	6.3	6.5	0.9	12.9	12.1	1.4	16.3	15.8	1.5
PROSTATECTOMY.....	2,248	1.5	1.2	0.4	3.4	2.9	0.7	5.5	4.9	0.9
CHOLECYSTECTOMY.....	1,565	3.4	3.4	0.6	6.4	6.0	0.7	8.1	7.8	0.7
HYSTERECTOMY.....	612	1.0	0.9	0.6	2.0	1.7	0.6	2.9	2.5	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 393,566						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.07	28.35	0.08	1.17	0.00		4.76	4.49	0.03	1.06	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.05	0.92	0.01	1.14	0.02						
CONGESTIVE HEART FAILURE.....	2.19	1.71	0.02	1.28	0.02						
PNEUMONIA/INFLUENZA.....	1.23	1.16	0.02	1.06	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.74	0.51	0.01	1.44	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.58	0.43	0.01	1.33	0.03						
STROKE.....	1.05	0.94	0.02	1.10	0.02						
HIP FRACTURE.....	0.53	0.57	0.01	0.92	0.02						
SEPSIS.....	0.38	0.33	0.01	1.14	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.26	0.24	0.01	1.05	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.36	0.01	1.01	0.03						
INITIAL PACEMAKER INSERTION.....	0.22	0.20	0.01	1.10	0.04						
CAROTID ENOARTERECTOMY.....	0.09	0.13	0.01	1.00	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.41	0.01	0.89	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.28	0.01	1.01	0.03						
PROSTATECTOMY.....	0.70	0.77	0.01	0.92	0.02						
CHOLECYSTECTOMY.....	0.48	0.46	0.01	1.04	0.02						
HYSTERECTOMY.....	0.17	0.17	0.01	0.97	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

READING, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		D8S	PRED	SD	D8S	PRED	SD	D8S	PRED	SD
ALL CAUSES.....	9,366	9.0	9.2	0.5	13.4	13.6	0.5	16.9	17.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	367	22.6	28.3	3.4	26.7	31.8	3.9	28.6	35.4	3.9
CONGESTIVE HEART FAILURE.....	395	17.5	14.9	2.7	25.6	22.7	2.9	33.4	29.4	3.7
PNEUMONIA/INFLUENZA.....	388	14.4	16.4	3.7	18.8	22.2	4.5	24.5	26.9	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	82	6.1	8.1	4.9	11.0	13.8	5.4	18.3	18.8	4.7
TRANSIENT CEREBRAL ISCHEMIA.....	180	2.2	1.8	1.2	3.3	3.9	1.7	5.6	6.3	2.0
STROKE.....	359	19.5	20.9	3.6	25.6	27.4	3.9	30.9	31.8	2.8
HIP FRACTURE.....	226	5.8	6.6	1.8	12.4	11.9	2.3	15.0	15.5	2.5
SEPSIS.....	167	23.4	28.4	5.8	31.1	35.2	5.1	37.7	41.3	4.4
PROCEDURES:										
ANGIOPLASTY.....	90	1.1	3.8	3.0	1.1	4.9	3.6	1.1	6.2	4.1
CORONARY ARTERY BYPASS GRAFT.....	165	5.5	6.3	2.2	6.1	9.0	2.8	6.1	10.6	3.4
INITIAL PACEMAKER INSERTION.....	46	4.3	4.3	*	8.7	7.7	*	10.9	10.5	*
CAROTID ENDOARTERECTOMY.....	79	1.3	1.3	1.3	1.3	2.5	2.1	1.3	3.7	2.9
HIP REPLACEMENT/RECONSTRUCTION.....	206	1.9	2.8	1.4	4.4	5.4	1.9	5.8	7.3	2.6
OPEN REDUCTION OF HIP FRACTURE.....	117	2.6	6.6	4.5	11.1	12.3	5.2	15.4	16.1	3.6
PROSTATECTOMY.....	306	2.9	1.0	1.2	4.6	2.3	1.5	5.9	3.9	1.7
CHOLECYSTECTOMY.....	197	2.5	3.3	1.4	5.6	5.7	2.3	6.1	7.3	2.2
HYSTERECTOMY.....	73	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 57,314						MORTALITY				
	ADMISSION										
	D8S,%	PRED,%	SD,%	REL	SE		D8S,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.00	28.12	0.22	0.85	0.01		4.87	4.61	0.09	1.06	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.95	0.04	0.95	0.04						
CONGESTIVE HEART FAILURE.....	1.29	1.70	0.05	0.76	0.02						
PNEUMONIA/INFLUENZA.....	0.93	1.24	0.05	0.74	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.30	0.51	0.03	1.00	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.43	0.03	1.03	0.07						
STROKE.....	0.83	0.93	0.04	0.88	0.04						
HIP FRACTURE.....	0.52	0.63	0.03	0.81	0.04						
SEPSIS.....	0.40	0.32	0.02	1.27	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.24	0.02	1.03	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.37	0.03	1.13	0.08						
INITIAL PACEMAKER INSERTION.....	0.12	0.20	0.02	0.63	0.06						
CAROTID ENDOARTERECTOMY.....	0.17	0.13	0.02	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.45	0.03	0.92	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.30	0.02	0.86	0.07						
PROSTATECTOMY.....	0.74	0.80	0.04	0.92	0.04						
CHOLECYSTECTOMY.....	0.47	0.47	0.03	0.99	0.06						
HYSTERECTOMY.....	0.13	0.18	0.02	0.66	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

SCRANTON-WILKES BARRE, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	29,568	8.7	9.1	0.2	14.1	13.8	0.3	17.7	17.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	915	25.5	26.5	2.0	29.3	29.7	1.8	32.7	33.1	1.6
CONGESTIVE HEART FAILURE.....	1,785	16.0	14.7	1.2	26.2	22.8	1.6	33.1	29.5	1.7
PNEUMONIA/INFLUENZA.....	1,184	16.0	16.5	1.2	24.5	22.3	1.6	30.1	27.0	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	566	6.4	7.5	2.2	12.0	13.3	2.2	17.0	18.3	2.1
TRANSIENT CEREBRAL ISCHEMIA.....	724	1.2	1.7	0.6	3.7	3.7	0.7	6.2	5.9	1.0
STROKE.....	1,281	18.3	19.7	2.0	25.3	26.3	2.0	29.7	30.7	1.8
HIP FRACTURE.....	649	4.9	6.7	1.3	10.5	12.0	1.5	14.3	15.5	1.5
SEPSIS.....	356	24.7	27.6	4.6	34.8	35.8	5.1	39.6	41.8	3.6
PROCEDURES:										
ANGIOPLASTY.....	94	4.3	2.6	2.5	4.3	3.3	2.6	4.3	4.2	3.0
CORONARY ARTERY BYPASS GRAFT.....	230	6.1	5.2	2.4	7.4	7.4	1.8	9.1	8.7	1.9
INITIAL PACEMAKER INSERTION.....	235	5.5	4.2	2.0	9.8	7.8	2.3	12.3	11.1	2.2
CAROTID ENDARTERECTOMY.....	114	2.6	1.4	1.9	3.5	2.8	2.1	5.3	4.2	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	407	3.7	3.7	1.1	7.9	7.1	1.5	8.8	9.5	1.7
OPEN REDUCTION OF HIP FRACTURE.....	317	4.4	6.2	1.6	9.8	11.4	2.1	16.1	14.9	2.1
PROSTATECTOMY.....	835	1.0	1.1	0.4	3.0	2.6	0.8	4.6	4.3	0.7
CHOLECYSTECTOMY.....	574	2.8	3.3	0.8	7.1	5.7	1.6	7.8	7.4	1.2
HYSTERECTOMY.....	199	1.0	0.9	0.7	2.5	1.8	1.6	2.5	2.6	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 150,020						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.86	29.60	0.14	1.01	0.00		4.90	4.52	0.05	1.08	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.89	1.01	0.03	0.88	0.02						
CONGESTIVE HEART FAILURE.....	2.01	1.79	0.03	1.12	0.02						
PNEUMONIA/INFLUENZA.....	1.11	1.29	0.03	0.86	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.66	0.59	0.02	1.11	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.64	0.46	0.02	1.36	0.05						
STROKE.....	1.12	0.96	0.02	1.16	0.03						
HIP FRACTURE.....	0.53	0.60	0.02	0.89	0.03						
SEPSIS.....	0.37	0.31	0.01	1.16	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.22	0.01	0.71	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.35	0.01	1.02	0.05						
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.01	1.06	0.06						
CAROTID ENDARTERECTOMY.....	0.12	0.14	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.42	0.02	0.85	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.29	0.01	0.91	0.04						
PROSTATECTOMY.....	0.68	0.73	0.02	0.93	0.03						
CHOLECYSTECTOMY.....	0.47	0.51	0.02	0.91	0.03						
HYSTERECTOMY.....	0.16	0.18	0.01	0.92	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

SHARON, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,842	7.5	8.8	0.5	11.8	13.2	0.7	14.8	16.6	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	181	24.3	28.4	5.8	29.8	31.8	6.5	30.9	35.3	7.5
CONGESTIVE HEART FAILURE.....	330	17.0	15.7	2.6	24.5	23.8	2.5	31.5	30.5	2.7
PNEUMONIA/INFLUENZA.....	258	14.3	18.0	4.9	20.9	24.3	4.8	26.7	29.1	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	147	8.8	9.3	2.4	17.0	15.8	3.3	21.1	21.4	3.4
TRANSIENT CEREBRAL ISCHEMIA.....	98	1.0	1.8	2.1	2.0	3.9	3.6	3.1	6.2	4.9
STROKE.....	170	15.3	21.2	4.4	22.9	27.6	5.0	23.5	32.1	5.9
HIP FRACTURE.....	102	7.8	7.9	2.7	14.7	13.9	3.8	21.6	18.0	5.5
SEPSIS.....	57	19.3	29.9	10.8	31.6	37.3	8.2	38.6	43.0	7.4
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	19	5.3	3.1	*	10.5	5.5	*	10.5	7.8	*
CAROTID ENDOARTERECTOMY.....	43	0.0	1.3	*	4.7	2.5	*	7.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	155	2.6	2.1	1.4	3.9	4.1	1.6	5.2	5.5	2.1
OPEN REDUCTION OF HIP FRACTURE.....	40	10.0	6.6	*	20.0	11.9	*	27.5	15.2	*
PROSTATECTOMY.....	228	1.3	0.8	0.8	3.1	1.9	1.6	4.8	3.1	2.6
CHOLECYSTECTOMY.....	83	2.4	3.4	2.4	7.2	5.6	3.2	8.4	7.1	3.9
HYSTERECTOMY.....	31	0.0	0.6	*	0.0	1.2	*	0.0	1.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,027						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.36	28.40	0.35	1.21	0.01		4.53	4.51	0.14	1.00	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.05	0.95	0.06	1.11	0.08						
CONGESTIVE HEART FAILURE.....	2.01	1.71	0.09	1.17	0.06						
PNEUMONIA/INFLUENZA.....	1.35	1.24	0.07	1.10	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1.02	0.54	0.05	1.86	0.17						
TRANSIENT CEREBRAL ISCHEMIA.....	0.55	0.43	0.04	1.31	0.13						
STROKE.....	0.88	0.93	0.06	0.96	0.07						
HIP FRACTURE.....	0.50	0.58	0.05	0.88	0.08						
SEPSIS.....	0.39	0.32	0.04	1.21	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.26	0.03	0.59	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.38	0.04	1.17	0.13						
INITIAL PACEMAKER INSERTION.....	0.13	0.20	0.03	0.55	0.09						
CAROTID ENDOARTERECTOMY.....	0.23	0.14	0.03	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.43	0.04	0.99	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.18	0.28	0.03	0.71	0.09						
PROSTATECTOMY.....	0.96	0.80	0.06	1.22	0.09						
CHOLECYSTECTOMY.....	0.39	0.48	0.05	0.76	0.07						
HYSTERECTOMY.....	0.14	0.18	0.03	0.68	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

STATE COLLEGE, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,639	10.1	9.2	1.2	14.6	14.3	1.8	19.5	18.2	2.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	76	25.0	26.7	5.2	32.9	30.0	5.5	38.2	33.4	6.2
CONGESTIVE HEART FAILURE.....	95	12.6	15.5	7.4	21.1	24.3	7.6	28.4	31.5	7.0
PNEUMONIA/INFLUENZA.....	75	30.7	16.2	6.7	36.0	22.8	6.8	38.7	27.6	6.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	32	18.8	5.5	*	21.9	9.7	*	25.0	13.4	*
TRANSIENT CEREBRAL ISCHEMIA.....	35	0.0	2.2	*	0.0	4.9	*	5.7	7.7	*
STROKE.....	54	20.4	19.2	5.5	20.4	25.5	7.2	24.1	29.8	8.3
HIP FRACTURE.....	44	6.8	5.8	*	15.9	10.8	*	18.2	14.3	*
SEPSIS.....	18	38.9	23.5	*	44.4	31.4	*	50.0	37.9	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	19	0.0	4.9	*	5.3	7.9	*	10.5	10.5	*
CAROTID ENDARTERECTOMY.....	11	0.0	1.1	*	0.0	2.2	*	0.0	3.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	23	8.7	3.9	*	13.0	7.3	*	17.4	9.5	*
OPEN REDUCTION OF HIP FRACTURE.....	23	0.0	5.1	*	13.0	10.1	*	13.0	13.7	*
PROSTATECTOMY.....	44	0.0	0.8	*	2.3	1.9	*	2.3	3.3	*
CHOLECYSTECTOMY.....	36	5.6	1.7	*	5.6	3.1	*	5.6	4.1	*
HYSTERECTOMY.....	21	0.0	0.4	*	4.8	1.0	*	4.8	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 10,742						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.35	27.70	0.51	0.91	0.02		4.63	4.48	0.20	1.03	0.05
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.17	0.92	0.09	1.24	0.13						
CONGESTIVE HEART FAILURE.....	1.54	1.60	0.13	0.96	0.08						
PNEUMONIA/INFLUENZA.....	1.15	1.24	0.11	0.93	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.52	0.49	0.07	1.03	0.16						
TRANSIENT CEREBRAL ISCHEMIA.....	0.35	0.40	0.06	0.89	0.15						
STROKE.....	0.83	0.88	0.09	0.86	0.09						
HIP FRACTURE.....	0.47	0.58	0.07	0.92	0.13						
SEPSIS.....	0.25	0.30	0.05	0.70	0.14						
PROCEDURES:											
ANGIOPLASTY.....	0.10	0.23	0.05	0.50	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.27	0.36	0.06	0.65	0.12						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.04	0.98	0.27						
CAROTID ENDARTERECTOMY.....	0.19	0.12	0.04	1.00	0.36						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.43	0.06	1.06	0.18						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.28	0.05	0.92	0.20						
PROSTATECTOMY.....	0.62	0.79	0.09	0.87	0.10						
CHOLECYSTECTOMY.....	0.45	0.47	0.07	0.91	0.14						
HYSTERECTOMY.....	0.20	0.17	0.04	1.24	0.36						

** QUANTITIES COULD NOT BE ESTIMATED

WILLIAMSPORT, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,071	7.5	8.0	0.6	11.8	12.3	0.8	15.1	15.9	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	186	20.4	24.6	6.2	25.8	28.2	5.5	29.0	31.8	4.8
CONGESTIVE HEART FAILURE.....	203	12.8	14.5	3.8	21.2	22.0	3.4	28.1	28.5	3.2
PNEUMONIA/INFLUENZA.....	200	11.5	15.7	3.2	15.0	21.5	4.1	17.0	26.1	4.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	106	5.7	7.0	2.7	11.3	12.2	3.2	19.8	16.9	4.2
TRANSIENT CEREBRAL ISCHEMIA.....	91	3.3	1.8	1.9	4.4	3.9	2.1	6.6	6.2	2.6
STROKE.....	168	15.5	20.4	4.4	21.4	26.6	4.8	23.8	31.0	6.2
HIP FRACTURE.....	127	7.9	6.8	2.6	12.6	12.2	3.1	15.7	16.0	3.3
SEPSIS.....	36	16.7	26.0	*	22.2	33.4	*	22.2	39.6	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	33	3.0	2.7	*	6.1	5.1	*	6.1	7.5	*
CAROTID ENDOARTERECTOMY.....	42	2.4	1.3	*	2.4	2.4	*	2.4	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	92	4.3	2.8	2.2	6.5	5.4	2.6	6.5	7.5	2.9
OPEN REDUCTION OF HIP FRACTURE.....	76	5.3	6.3	3.4	9.2	11.9	4.6	13.2	15.7	5.7
PROSTATECTOMY.....	160	1.9	1.0	1.0	4.4	2.6	1.7	6.9	4.5	2.4
CHOLECYSTECTOMY.....	73	1.4	2.2	2.3	1.4	4.0	3.2	1.4	5.4	3.9
HYSTERECTOMY.....	26	3.8	1.2	*	3.8	2.5	*	3.8	3.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 20,301									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.29	28.77	0.38	1.09	0.01	4.69	4.63	0.15	1.02	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.08	0.97	0.07	1.12	0.08					
CONGESTIVE HEART FAILURE.....	1.67	1.73	0.09	0.96	0.05					
PNEUMONIA/INFLUENZA.....	1.25	1.31	0.08	0.95	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.78	0.55	0.05	1.42	0.14					
TRANSIENT CEREBRAL ISCHEMIA.....	0.49	0.43	0.05	1.09	0.12					
STROKE.....	0.98	0.93	0.07	1.06	0.08					
HIP FRACTURE.....	0.74	0.62	0.05	1.19	0.11					
SEPSIS.....	0.21	0.32	0.04	0.62	0.08					
PROCEDURES:										
ANGIOPLASTY.....	0.16	0.23	0.03	0.80	0.12					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.36	0.04	1.06	0.13					
INITIAL PACEMAKER INSERTION.....	0.17	0.20	0.03	0.84	0.14					
CAROTID ENDOARTERECTOMY.....	0.21	0.13	0.03	1.00	0.21					
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.44	0.05	1.07	0.12					
OPEN REDUCTION OF HIP FRACTURE.....	0.40	0.30	0.04	1.38	0.18					
PROSTATECTOMY.....	0.73	0.75	0.06	0.96	0.08					
CHOLECYSTECTOMY.....	0.42	0.48	0.05	0.89	0.09					
HYSTERECTOMY.....	0.13	0.18	0.03	0.72	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

YORK, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,030	9.7	9.7	0.3	14.7	14.5	0.4	18.4	18.2	0.5
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	411	29.4	28.5	2.4	32.8	31.6	2.5	36.7	35.0	3.0
CONGESTIVE HEART FAILURE.....	557	13.6	15.7	1.9	24.1	23.9	2.8	32.1	30.7	2.1
PNEUMONIA/INFLUENZA.....	306	15.4	16.7	2.6	21.9	22.8	3.9	25.2	27.4	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	128	6.3	7.3	2.6	12.5	13.1	3.1	21.1	18.0	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	125	0.0	1.7	2.0	0.8	3.7	3.0	1.6	5.9	4.3
STROKE.....	383	19.1	20.9	3.4	23.8	27.5	3.2	27.4	31.9	3.7
HIP FRACTURE.....	252	5.6	6.4	1.7	9.1	11.5	2.4	14.3	14.9	2.3
SEPSIS.....	135	20.0	25.0	5.5	32.6	32.1	4.2	37.8	37.8	4.2
PROCEDURE:										
ANGIOPLASTY.....	19	0.0	2.3	*	0.0	2.8	*	0.0	3.6	*
CORONARY ARTERY BYPASS GRAFT.....	71	5.6	5.5	3.7	5.6	7.5	4.2	5.6	9.0	4.7
INITIAL PACEMAKER INSERTION.....	49	2.0	5.9	*	10.2	9.1	*	12.2	12.1	*
CAROTID ENDOARTERECTOMY.....	39	2.6	1.4	*	5.1	2.5	*	5.1	3.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	152	0.7	2.9	1.8	1.3	5.4	3.1	5.9	7.4	2.3
OPEN REDUCTION OF HIP FRACTURE.....	119	4.2	6.3	3.6	10.1	11.6	4.3	13.4	15.1	4.2
PROSTATECTOMY.....	371	0.5	0.9	0.5	2.2	2.2	1.2	3.0	3.7	1.6
CHOLECYSTECTOMY.....	187	2.7	3.0	1.3	5.3	5.2	2.0	5.9	6.6	2.4
HYSTERECTOMY.....	112	0.9	0.7	1.0	3.6	1.7	1.7	5.4	2.7	2.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 59,577						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.50	27.50	0.21	0.85	0.01		4.68	4.49	0.09	1.05	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.98	0.92	0.04	1.06	0.05						
CONGESTIVE HEART FAILURE.....	1.65	1.63	0.05	1.02	0.03						
PNEUMONIA/INFLUENZA.....	0.75	1.20	0.04	0.62	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.49	0.03	0.81	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.40	0.03	0.73	0.05						
STROKE.....	0.84	0.90	0.04	0.94	0.04						
HIP FRACTURE.....	0.53	0.59	0.03	0.90	0.05						
SEPSIS.....	0.33	0.31	0.02	1.14	0.09						
PROCEDURE:											
ANGIOPLASTY.....	0.08	0.24	0.02	0.32	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.26	0.37	0.02	0.70	0.05						
INITIAL PACEMAKER INSERTION.....	0.12	0.20	0.02	0.56	0.06						
CAROTID ENDOARTERECTOMY.....	0.10	0.13	0.01	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.43	0.03	0.77	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.28	0.02	0.89	0.07						
PROSTATECTOMY.....	0.79	0.80	0.04	1.00	0.05						
CHOLECYSTECTOMY.....	0.40	0.46	0.03	0.85	0.05						
HYSTERECTOMY.....	0.23	0.18	0.02	1.40	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

HARRISBURG-LEBANON-CARLISE, PA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	16,748	9.4	8.9	0.3	14.6	13.5	0.5	18.1	17.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	556	30.8	27.7	3.2	34.4	31.0	3.5	37.6	34.5	3.5
CONGESTIVE HEART FAILURE.....	895	15.1	15.2	1.3	25.1	23.3	2.2	32.7	30.1	2.6
PNEUMONIA/INFLUENZA.....	604	16.7	17.0	1.6	24.8	23.0	2.1	28.5	27.8	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	225	9.3	8.2	2.2	16.9	14.5	3.2	20.9	19.8	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	279	2.5	1.8	1.2	4.7	4.1	1.3	6.8	6.4	1.6
STROKE.....	642	19.8	20.2	2.1	27.3	26.7	1.8	29.9	31.1	2.0
HIP FRACTURE.....	453	7.1	6.7	2.7	14.6	12.0	3.2	17.9	15.5	3.7
SEPSIS.....	228	34.2	29.0	5.0	43.4	36.4	4.8	45.6	42.6	4.0
PROCEDURES:										
ANGIOPLASTY.....	144	1.4	2.4	1.4	1.4	3.2	1.7	2.1	4.1	2.0
CORONARY ARTERY BYPASS GRAFT.....	293	8.5	5.7	2.4	9.2	8.5	1.7	10.2	10.2	1.9
INITIAL PACEMAKER INSERTION.....	122	4.9	3.6	3.6	10.7	6.6	3.9	11.5	9.1	3.3
CAROTID ENDARTERECTOMY.....	94	1.1	1.3	1.6	1.1	2.4	2.2	2.1	3.4	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	297	2.4	2.5	0.9	5.4	4.9	1.3	7.1	6.7	1.5
OPEN REDUCTION OF HIP FRACTURE.....	233	8.2	6.5	3.6	14.6	12.1	3.2	18.0	15.8	3.1
PROSTATECTOMY.....	476	2.1	1.2	0.8	4.4	2.8	1.3	6.3	4.7	1.9
CHOLECYSTECTOMY.....	378	2.6	2.9	1.0	5.3	5.2	1.2	7.9	7.0	1.6
HYSTERECTOMY.....	131	0.8	0.8	0.8	1.5	1.7	1.2	2.3	2.7	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 89,705									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.76	28.02	0.18	0.85	0.00	4.89	4.57	0.07	1.07	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.81	0.92	0.03	0.88	0.03					
CONGESTIVE HEART FAILURE.....	1.63	1.69	0.04	0.96	0.02					
PNEUMONIA/INFLUENZA.....	0.90	1.17	0.04	0.78	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.49	0.02	0.86	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.42	0.02	0.88	0.05					
STROKE.....	0.92	0.93	0.03	0.98	0.03					
HIP FRACTURE.....	0.57	0.60	0.03	0.96	0.04					
SEPSIS.....	0.37	0.33	0.02	1.12	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.18	0.24	0.02	0.81	0.06					
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.36	0.02	0.89	0.05					
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.01	0.80	0.06					
CAROTID ENDARTERECTOMY.....	0.11	0.13	0.01	1.00	0.10					
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.43	0.02	0.80	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.02	1.02	0.07					
PROSTATECTOMY.....	0.64	0.77	0.03	0.84	0.03					
CHOLECYSTECTOMY.....	0.44	0.45	0.02	1.00	0.05					
HYSTERECTOMY.....	0.13	0.17	0.01	0.74	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

PA-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	53,412	8.8	9.2	0.2	13.5	13.9	0.3	16.9	17.7	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,938	28.0	27.3	1.1	32.5	30.7	1.8	34.8	34.2	1.1
CONGESTIVE HEART FAILURE.....	3,062	14.8	15.3	0.7	24.0	23.8	1.2	31.5	30.7	0.9
PNEUMONIA/INFLUENZA.....	2,673	14.7	16.6	1.1	20.7	22.7	1.3	25.1	27.4	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1,038	6.6	7.7	1.0	12.8	13.6	1.2	16.8	18.7	1.6
TRANSIENT CEREBRAL ISCHEMIA.....	1,179	1.4	2.0	0.7	4.2	4.5	0.6	7.7	7.2	0.9
STROKE.....	2,006	17.6	20.3	1.4	24.6	26.7	1.6	28.4	31.1	1.6
HIP FRACTURE.....	1,140	6.6	6.6	0.7	12.0	11.8	1.0	15.4	15.3	1.3
SEPSIS.....	589	24.1	27.4	2.4	31.6	35.0	3.0	36.8	41.2	2.8
PROCEDURES:										
ANGIOPLASTY.....	101	5.9	3.2	2.4	6.9	4.3	2.4	6.9	5.5	2.5
CORONARY ARTERY BYPASS GRAFT.....	224	5.4	6.0	1.7	8.0	9.0	2.4	8.9	10.8	3.4
INITIAL PACEMAKER INSERTION.....	270	4.1	4.0	2.4	8.1	7.2	2.2	12.6	10.1	2.5
CAROTID ENDARTERECTOMY.....	135	2.2	1.6	1.2	3.0	3.0	2.0	5.2	4.5	2.5
HIP REPLACEMENT/RECONSTRUCTION.....	735	2.4	3.1	1.0	5.7	5.9	1.1	8.2	8.0	1.0
OPEN REDUCTION OF HIP FRACTURE.....	604	6.6	6.1	1.4	12.6	11.3	1.9	15.7	14.9	2.6
PROSTATECTOMY.....	1,547	1.0	1.1	0.4	2.8	2.6	0.4	4.2	4.3	0.6
CHOLECYSTECTOMY.....	1,132	3.1	2.8	0.5	4.9	4.9	0.7	6.0	6.4	1.0
HYSTERECTOMY.....	362	1.1	0.6	0.8	1.1	1.2	0.7	1.9	1.8	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 331,003						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.10	29.14	0.09	1.07	0.00		4.70	4.50	0.04	1.04	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.11	0.99	0.02	1.10	0.02						
CONGESTIVE HEART FAILURE.....	2.03	1.73	0.02	1.17	0.02						
PNEUMONIA/INFLUENZA.....	1.36	1.34	0.02	1.02	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.66	0.57	0.01	1.14	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.63	0.44	0.01	1.40	0.04						
STROKE.....	0.99	0.93	0.02	1.06	0.02						
HIP FRACTURE.....	0.51	0.58	0.01	0.88	0.02						
SEPSIS.....	0.34	0.31	0.01	1.10	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.23	0.01	0.75	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.37	0.01	0.92	0.03						
INITIAL PACEMAKER INSERTION.....	0.19	0.20	0.01	0.91	0.04						
CAROTID ENDARTERECTOMY.....	0.12	0.13	0.01	1.00	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.43	0.01	0.84	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.28	0.01	0.95	0.03						
PROSTATECTOMY.....	0.74	0.79	0.02	0.93	0.02						
CHOLECYSTECTOMY.....	0.52	0.51	0.01	1.02	0.03						
HYSTERECTOMY.....	0.17	0.18	0.01	0.96	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

PROVIDENCE-PAWTUCKET-WOONSOCKET, RI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	29,449	9.0	9.9	0.2	14.1	14.9	0.3	17.8	18.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,275	24.5	27.3	1.8	29.3	30.9	2.3	31.8	34.6	2.0
CONGESTIVE HEART FAILURE.....	1,705	13.3	16.4	1.3	22.1	25.1	1.4	29.0	32.2	1.5
PNEUMONIA/INFLUENZA.....	1,102	15.3	17.4	1.9	23.0	23.6	1.4	27.4	28.5	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	434	6.9	9.3	2.0	11.3	15.3	2.6	15.4	20.5	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	499	0.8	1.9	0.8	2.6	4.3	1.2	5.8	6.8	1.2
STROKE.....	1,111	17.9	20.7	1.8	25.8	27.6	1.8	30.4	32.1	1.6
HIP FRACTURE.....	770	5.2	7.2	1.3	10.5	12.8	1.4	14.4	16.5	1.5
SEPSIS.....	456	23.9	27.1	4.6	32.5	35.1	4.8	37.7	41.0	4.6
PROCEDURES:										
ANGIOPLASTY.....	130	1.5	2.5	1.5	3.1	3.5	2.1	3.1	4.5	2.1
CORONARY ARTERY BYPASS GRAFT.....	222	3.2	5.7	2.5	5.9	8.5	3.3	7.2	10.2	3.9
INITIAL PACEMAKER INSERTION.....	189	5.8	4.1	2.0	8.5	7.4	2.1	10.6	10.4	2.3
CAROTID ENDARTERECTOMY.....	85	1.2	1.3	1.3	1.2	2.3	2.9	4.7	3.4	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	401	2.2	4.2	1.5	4.7	7.7	1.9	7.0	10.1	1.9
OPEN REDUCTION OF HIP FRACTURE.....	432	3.9	6.4	1.6	9.0	11.8	1.9	13.4	15.5	1.9
PROSTATECTOMY.....	938	0.7	1.2	0.5	2.3	2.7	0.8	3.5	4.3	1.0
CHOLECYSTECTOMY.....	568	3.5	3.4	1.2	6.5	6.0	1.6	7.7	7.8	1.4
HYSTERECTOMY.....	254	0.4	0.8	0.8	2.8	1.7	1.1	3.1	2.5	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 164,919						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.82	28.59	0.13	0.94	0.00		4.63	4.69	0.05	0.99	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.18	0.94	0.02	1.26	0.03						
CONGESTIVE HEART FAILURE.....	1.90	1.74	0.03	1.09	0.02						
PNEUMONIA/INFLUENZA.....	0.96	1.27	0.03	0.75	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.53	0.02	0.89	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.43	0.02	0.91	0.03						
STROKE.....	0.88	0.93	0.02	0.94	0.02						
HIP FRACTURE.....	0.58	0.63	0.02	0.92	0.03						
SEPSIS.....	0.41	0.33	0.01	1.25	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.13	0.23	0.01	0.56	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.24	0.35	0.01	0.70	0.03						
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.01	0.80	0.05						
CAROTID ENDARTERECTOMY.....	0.08	0.12	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.31	0.43	0.02	0.71	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.30	0.01	1.05	0.05						
PROSTATECTOMY.....	0.70	0.73	0.02	0.96	0.03						
CHOLECYSTECTOMY.....	0.42	0.46	0.02	0.90	0.03						
HYSTERECTOMY.....	0.17	0.18	0.01	1.00	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

RQ-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,160	11.7	9.3	0.7	15.9	13.6	0.7	18.6	17.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	257	32.3	28.3	6.1	37.0	31.7	6.3	39.7	35.1	5.8
CONGESTIVE HEART FAILURE.....	451	16.4	15.5	3.1	25.7	24.2	2.7	32.8	31.2	2.7
PNEUMONIA/INFLUENZA.....	461	16.9	16.8	1.8	21.5	22.5	2.0	25.8	26.9	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	88	9.1	7.2	3.1	10.2	13.2	3.9	12.5	18.5	5.4
TRANSIENT CEREBRAL ISCHEMIA.....	154	12.3	1.9	1.7	16.9	4.3	2.6	18.2	6.9	2.3
STROKE.....	322	28.6	20.9	3.4	34.8	27.1	3.6	37.9	31.5	3.4
HIP FRACTURE.....	36	11.1	5.0	*	22.2	9.1	*	25.0	11.9	*
SEPSIS.....	106	46.2	34.9	6.5	51.9	41.6	5.7	53.8	47.8	5.3
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	21	19.0	6.9	*	19.0	11.2	*	19.0	14.8	*
CAROTID ENDARTERECTOMY.....	0									
HIP REPLACEMENT/RECONSTRUCTION.....	26	3.8	2.0	*	11.5	3.8	*	15.4	5.3	*
OPEN REDUCTION OF HIP FRACTURE.....	18	5.6	4.7	*	5.6	8.8	*	5.6	11.8	*
PROSTATECTOMY.....	334	0.3	0.8	0.7	1.2	1.7	1.1	2.7	2.8	1.3
CHOLECYSTECTOMY.....	138	2.9	1.9	1.3	4.3	3.3	1.8	6.5	4.2	2.8
HYSTERECTOMY.....	90	2.2	0.3	1.2	2.2	0.6	1.1	2.2	0.9	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

ANDERSON, SC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,312	8.5	8.5	0.8	13.4	13.2	0.7	17.2	17.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	134	29.1	25.8	4.9	32.8	29.2	5.7	35.8	32.6	5.6
CONGESTIVE HEART FAILURE.....	239	12.6	13.9	2.5	23.4	21.7	3.1	30.1	28.3	3.7
PNEUMONIA/INFLUENZA.....	154	15.6	15.2	2.9	22.7	20.9	3.6	31.8	25.5	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	52	9.6	4.6	4.8	19.2	9.4	8.3	19.2	13.8	7.4
TRANSIENT CEREBRAL ISCHEMIA.....	58	3.4	1.8	2.3	6.9	4.0	4.3	10.3	6.3	6.1
STROKE.....	184	14.1	19.5	4.2	20.1	26.1	5.1	22.3	30.4	5.8
HIP FRACTURE.....	113	3.5	5.9	2.5	4.4	10.6	4.2	9.7	13.8	3.8
SEPSIS.....	56	28.1	23.8	7.0	32.1	31.0	7.4	32.1	36.6	10.0
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	30	13.3	4.6	*	13.3	7.6	*	16.7	10.1	*
CAROTID ENDARTERECTOMY.....	7	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	69	4.3	2.8	2.8	4.3	5.5	3.3	4.3	7.6	4.3
OPEN REDUCTION OF HIP FRACTURE.....	68	1.5	5.9	5.5	1.5	11.0	10.9	8.8	14.5	8.2
PROSTATECTOMY.....	171	1.8	1.1	1.6	2.9	2.6	2.4	3.5	4.3	2.7
CHOLECYSTECTOMY.....	114	0.9	3.0	2.2	2.6	5.3	2.9	4.4	6.9	3.1
HYSTERECTOMY.....	35	2.9	1.1	*	5.7	2.3	*	5.7	3.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 22,578									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.04	30.49	0.37	0.99	0.01	4.33	4.27	0.14	1.01	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.94	0.94	0.06	1.01	0.07					
CONGESTIVE HEART FAILURE.....	1.81	1.85	0.09	0.97	0.05					
PNEUMONIA/INFLUENZA.....	1.00	1.29	0.08	0.78	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.62	0.05	0.70	0.06					
TRANSIENT CEREBRAL ISCHEMIA.....	0.35	0.52	0.05	0.69	0.06					
STROKE.....	1.02	1.01	0.07	1.03	0.07					
HIP FRACTURE.....	0.65	0.50	0.05	1.29	0.12					
SEPSIS.....	0.43	0.35	0.04	1.22	0.14					
PROCEDURES:										
ANGIOPLASTY.....	0.17	0.21	0.03	0.80	0.12					
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.34	0.04	1.05	0.12					
INITIAL PACEMAKER INSERTION.....	0.18	0.18	0.03	1.03	0.17					
CAROTID ENDARTERECTOMY.....	0.08	0.14	0.03	1.00	0.19					
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.34	0.04	1.32	0.15					
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.25	0.03	1.37	0.19					
PROSTATECTOMY.....	0.70	0.67	0.05	1.06	0.09					
CHOLECYSTECTOMY.....	0.61	0.49	0.05	1.26	0.12					
HYSTERECTOMY.....	0.18	0.16	0.03	1.22	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

CHARLESTON, SC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	10,051	8.3	7.8	0.3	13.4	12.1	0.7	17.1	15.6	0.5
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	246	19.9	24.4	3.5	25.2	27.3	3.2	29.3	30.5	3.0
CONGESTIVE HEART FAILURE.....	432	13.9	13.9	2.3	24.1	21.7	2.2	31.5	28.3	2.6
PNEUMONIA/INFLUENZA.....	328	20.1	15.3	2.8	25.9	20.9	3.2	32.0	25.4	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	104	9.6	6.2	3.8	13.5	11.2	3.7	17.3	15.7	4.4
TRANSIENT CEREBRAL ISCHEMIA.....	108	1.9	1.6	1.4	3.7	3.4	1.9	6.5	5.5	2.5
STROKE.....	352	15.6	17.8	3.2	23.6	23.9	2.6	27.6	28.1	2.4
HIP FRACTURE.....	198	7.1	5.9	2.7	11.1	10.5	3.2	16.2	13.7	4.3
SEPSIS.....	69	24.6	29.6	6.9	40.6	37.9	7.2	47.8	44.3	6.7
PROCEOURES:										
ANGIOPLASTY.....	89	3.4	3.0	1.8	3.4	3.8	2.1	3.4	4.8	2.8
CORONARY ARTERY BYPASS GRAFT.....	192	5.7	4.4	1.8	10.4	6.6	2.2	14.1	8.0	2.7
INITIAL PACEMAKER INSERTION.....	76	1.3	2.4	2.4	7.9	4.9	3.0	11.8	7.3	3.9
CAROTID ENOARTERECTOMY.....	42	0.0	1.2	*	2.4	2.2	*	2.4	3.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	144	2.8	2.9	1.9	6.2	5.5	2.1	7.6	7.4	2.3
OPEN REDUCTION OF HIP FRACTURE.....	99	7.1	5.2	3.1	10.1	9.8	4.3	16.2	13.0	5.7
PROSTATECTOMY.....	393	1.3	1.0	0.7	3.3	2.3	1.3	5.1	3.7	2.0
CHOLECYSTECTOMY.....	173	1.2	2.3	1.6	5.2	4.0	1.8	7.5	5.2	2.8
HYSTERECTOMY.....	89	0.0	0.9	1.4	2.2	2.0	1.5	3.4	3.0	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 47,755						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	27.78	29.41	0.25	0.94	0.01		4.60	4.50	0.10	1.03	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.66	0.80	0.04	0.82	0.04						
CONGESTIVE HEART FAILURE.....	1.64	1.88	0.06	0.88	0.03						
PNEUMONIA/INFLUENZA.....	1.00	1.07	0.05	0.93	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.52	0.03	0.82	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.44	0.03	0.58	0.04						
STROKE.....	0.97	1.04	0.05	0.94	0.04						
HIP FRACTURE.....	0.51	0.45	0.03	1.13	0.08						
SEPSIS.....	0.25	0.39	0.03	0.60	0.05						
PROCEOURES:											
ANGIOPLASTY.....	0.15	0.21	0.02	0.75	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.31	0.03	1.16	0.10						
INITIAL PACEMAKER INSERTION.....	0.21	0.18	0.02	1.15	0.14						
CAROTIO ENOARTERECTOMY.....	0.08	0.11	0.02	1.00	0.16						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.30	0.02	1.05	0.09						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.23	0.02	1.05	0.11						
PROSTATECTOMY.....	0.86	0.70	0.04	1.21	0.07						
CHOLECYSTECTOMY.....	0.44	0.40	0.03	1.10	0.08						
HYSTERECTOMY.....	0.16	0.15	0.02	1.11	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

COLUMBIA, SC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	11,082	9.0	8.0	0.4	13.8	12.5	0.4	17.4	15.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	344	26.7	23.8	3.0	29.7	27.2	2.7	31.1	30.7	2.5
CONGESTIVE HEART FAILURE.....	458	11.1	13.5	2.3	19.2	21.1	2.8	27.1	27.6	2.2
PNEUMONIA/INFLUENZA.....	327	18.0	15.9	3.8	25.1	21.8	4.9	29.7	26.4	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	109	3.7	5.8	2.8	10.1	10.3	3.4	16.5	14.5	4.7
TRANSIENT CEREBRAL ISCHEMIA.....	100	0.0	1.8	2.3	2.0	4.0	3.9	3.0	6.2	5.3
STROKE.....	379	19.5	19.3	2.1	26.4	25.5	2.4	28.5	29.8	2.5
HIP FRACTURE.....	228	6.6	6.8	2.7	10.1	12.1	2.7	14.9	15.6	2.5
SEPSIS.....	97	34.0	24.9	7.0	44.3	32.7	8.4	49.5	38.8	8.5
PROCEDURES:										
ANGIOPLASTY.....	246	4.9	3.3	1.5	5.7	4.4	1.7	7.3	5.5	1.9
CORONARY ARTERY BYPASS GRAFT.....	258	3.1	5.9	2.0	4.7	8.3	2.5	5.4	9.8	2.8
INITIAL PACEMAKER INSERTION.....	104	1.9	2.9	1.9	6.7	5.8	3.2	7.7	8.7	3.2
CARDIAC ENDARTERECTOMY.....	58	3.4	1.5	2.3	3.4	2.7	2.4	3.4	4.0	3.1
HIP REPLACEMENT/RECONSTRUCTION.....	216	2.3	2.9	1.9	3.2	5.5	3.2	5.6	7.6	3.2
OPEN REDUCTION OF HIP FRACTURE.....	107	7.5	6.5	2.8	12.1	12.0	3.7	16.8	15.6	3.8
PROSTATECTOMY.....	309	0.3	1.1	1.2	1.6	2.5	2.0	4.9	4.1	1.7
CHOLECYSTECTOMY.....	232	2.2	2.9	1.4	3.4	5.2	2.2	3.9	6.8	2.9
HYSTERECTOMY.....	113	0.9	0.6	1.2	1.8	1.4	1.8	3.5	2.2	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 49,447						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.62	29.72	0.24	0.86	0.01		4.79	4.60	0.10	1.04	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.71	0.83	0.04	0.86	0.04						
CONGESTIVE HEART FAILURE.....	1.39	1.84	0.06	0.75	0.02						
PNEUMONIA/INFLUENZA.....	0.89	1.14	0.05	0.78	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.34	0.54	0.03	0.63	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.42	0.03	0.50	0.03						
STROKE.....	0.87	1.01	0.04	0.87	0.04						
HIP FRACTURE.....	0.52	0.50	0.03	1.04	0.07						
SEPSIS.....	0.31	0.39	0.03	0.80	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.39	0.22	0.02	1.70	0.17						
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.32	0.03	1.17	0.10						
INITIAL PACEMAKER INSERTION.....	0.20	0.18	0.02	1.11	0.13						
CARDIAC ENDARTERECTOMY.....	0.08	0.12	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.33	0.03	1.25	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.25	0.02	0.92	0.09						
PROSTATECTOMY.....	0.61	0.68	0.04	0.89	0.05						
CHOLECYSTECTOMY.....	0.47	0.42	0.03	1.12	0.08						
HYSTERECTOMY.....	0.19	0.15	0.02	1.27	0.16						

** QUANTITIES COULD NOT BE ESTIMATED

FLORENCE, SC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,543	9.3	8.4	0.6	13.9	12.8	0.7	17.2	16.4	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	199	26.1	27.6	3.5	31.2	30.8	3.6	33.2	34.3	3.5
CONGESTIVE HEART FAILURE.....	231	16.5	13.0	2.8	20.3	20.7	2.8	26.4	27.2	3.0
PNEUMONIA/INFLUENZA.....	155	13.5	15.6	4.7	16.8	21.7	6.7	22.6	26.5	7.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	50	8.0	7.0	*	14.0	12.5	*	26.0	17.4	*
TRANSIENT CEREBRAL ISCHEMIA.....	99	2.0	1.6	1.3	2.0	3.5	2.2	5.1	5.5	2.4
STROKE.....	236	23.3	18.5	5.5	28.0	24.4	5.7	32.2	28.7	5.1
HIP FRACTURE.....	127	8.7	5.8	5.0	13.4	10.5	5.3	15.7	13.7	4.6
SEPSIS.....	59	27.1	26.7	6.5	42.4	35.0	9.0	44.1	42.0	9.3
PROCEDURES:										
ANGIOPLASTY.....	78	5.1	4.7	2.6	5.1	5.6	3.1	7.7	6.7	3.1
CORONARY ARTERY BYPASS GRAFT.....	83	12.0	7.4	4.5	12.0	9.9	4.5	12.0	11.4	5.1
INITIAL PACEMAKER INSERTION.....	85	0.0	2.8	4.1	5.9	5.7	3.8	12.9	8.5	4.8
CAROTID ENDARTERECTOMY.....	20	5.0	1.3	*	5.0	2.4	*	5.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	90	7.8	3.1	3.0	12.2	5.8	4.0	12.2	7.8	4.3
OPEN REDUCTION OF HIP FRACTURE.....	71	9.9	5.6	6.0	12.7	10.7	5.3	15.5	14.2	4.7
PROSTATECTOMY.....	196	3.6	1.2	1.3	7.1	3.0	2.1	9.2	5.1	2.3
CHOLECYSTECTOMY.....	75	5.3	2.4	3.5	6.7	4.2	4.3	6.7	5.3	4.6
HYSTERECTOMY.....	45	0.0	0.4	*	2.2	0.7	*	4.4	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 15,589						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.31	32.88	0.46	1.04	0.01		4.98	4.71	0.17	1.06	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.37	0.89	0.08	1.53	0.13						
CONGESTIVE HEART FAILURE.....	1.71	2.11	0.12	0.81	0.04						
PNEUMONIA/INFLUENZA.....	1.30	1.26	0.09	1.03	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.40	0.61	0.06	0.66	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.55	0.49	0.06	1.13	0.13						
STROKE.....	1.38	1.14	0.09	1.21	0.09						
HIP FRACTURE.....	0.35	0.48	0.05	0.72	0.09						
SEPSIS.....	0.40	0.44	0.05	0.89	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.31	0.21	0.04	1.37	0.26						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.32	0.04	1.06	0.16						
INITIAL PACEMAKER INSERTION.....	0.36	0.18	0.03	1.98	0.41						
CAROTID ENDARTERECTOMY.....	0.10	0.12	0.03	1.00	0.27						
HIP REPLACEMENT/RECONSTRUCTION.....	0.28	0.29	0.04	0.91	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.21	0.24	0.04	0.83	0.15						
PROSTATECTOMY.....	0.72	0.68	0.07	1.08	0.11						
CHOLECYSTECTOMY.....	0.39	0.45	0.05	0.83	0.10						
HYSTERECTOMY.....	0.19	0.15	0.03	1.30	0.30						

** QUANTITIES COULD NOT BE ESTIMATED

GREENVILLE-SPARTANBURG, SC
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	16,147	9.2	8.0	0.3	14.1	12.3	0.4	17.7	15.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	568	28.7	25.1	3.0	33.5	28.1	3.0	36.4	31.4	3.0
CONGESTIVE HEART FAILURE.....	764	13.4	13.4	1.2	23.4	21.0	1.8	30.9	27.5	2.3
PNEUMONIA/INFLUENZA.....	567	16.6	14.7	2.8	23.1	20.3	3.0	26.1	24.7	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	246	12.2	6.7	3.2	17.5	11.9	3.3	22.0	16.5	3.6
TRANSIENT CEREBRAL ISCHEMIA.....	172	2.3	1.8	1.2	3.5	3.9	1.5	5.8	6.2	2.0
STROKE.....	578	20.8	18.7	2.7	27.2	25.0	2.6	31.3	29.3	2.9
HIP FRACTURE.....	453	5.1	5.2	1.5	12.4	9.4	2.0	15.5	12.3	2.8
SEPSIS.....	157	21.7	25.1	4.2	31.8	32.6	3.8	36.3	38.5	4.3
PROCEDURES:										
ANGIOPLASTY.....	111	1.8	3.1	2.0	3.6	4.2	2.0	5.4	5.3	2.1
CORONARY ARTERY BYPASS GRAFT.....	279	6.1	5.1	1.6	7.9	7.2	2.0	9.3	8.5	1.9
INITIAL PACEMAKER INSERTION.....	94	3.2	2.9	2.5	4.3	5.7	2.7	7.4	8.3	3.2
CAROTID ENDARTERECTOMY.....	80	2.5	1.2	1.7	2.5	2.2	1.7	2.5	3.2	2.3
HIP REPLACEMENT/RECONSTRUCTION.....	306	3.3	3.2	1.0	6.9	6.0	1.6	8.8	8.0	2.4
OPEN REDUCTION OF HIP FRACTURE.....	175	4.0	4.5	3.2	12.0	8.4	4.7	14.3	11.2	5.4
PROSTATECTOMY.....	589	1.9	0.8	0.8	3.2	1.9	1.1	4.6	3.2	1.3
CHOLECYSTECTOMY.....	395	4.6	2.2	1.2	7.1	4.0	1.5	9.1	5.4	1.8
HYSTERECTOMY.....	153	1.3	0.7	0.8	1.3	1.4	1.0	1.3	2.1	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 89,832						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.90	30.08	0.18	0.83	0.00		4.37	4.46	0.07	0.98	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.82	0.92	0.03	0.89	0.03						
CONGESTIVE HEART FAILURE.....	1.44	1.86	0.05	0.77	0.02						
PNEUMONIA/INFLUENZA.....	0.89	1.21	0.04	0.74	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.58	0.03	1.00	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.46	0.02	0.58	0.03						
STROKE.....	0.85	1.01	0.03	0.83	0.03						
HIP FRACTURE.....	0.58	0.52	0.02	1.11	0.05						
SEPSIS.....	0.30	0.36	0.02	0.82	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.23	0.02	0.72	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.34	0.02	1.03	0.06						
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.01	0.62	0.05						
CAROTID ENDARTERECTOMY.....	0.09	0.13	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.35	0.02	1.07	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.26	0.02	0.85	0.06						
PROSTATECTOMY.....	0.75	0.70	0.03	1.07	0.04						
CHOLECYSTECTOMY.....	0.54	0.47	0.02	1.15	0.06						
HYSTERECTOMY.....	0.18	0.16	0.01	1.15	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

SC-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	26,853	10.0	9.2	0.3	14.7	13.7	0.3	18.3	17.4	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	959	27.2	26.8	1.8	32.1	30.1	2.2	35.0	33.6	2.7
CONGESTIVE HEART FAILURE.....	1,860	14.5	13.7	1.1	22.6	21.2	1.7	28.7	27.7	1.3
PNEUMONIA/INFLUENZA.....	1,414	15.1	14.9	1.0	21.9	20.4	1.6	26.0	24.8	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	435	8.3	6.7	1.7	12.0	12.0	1.8	15.2	16.7	2.1
TRANSIENT CEREBRAL ISCHEMIA.....	426	1.6	1.8	0.7	4.0	4.1	1.0	6.6	6.6	1.2
STROKE.....	1,366	22.7	19.9	1.3	30.7	25.9	1.8	35.2	30.3	1.9
HIP FRACTURE.....	554	7.0	6.2	1.2	11.6	11.1	1.5	14.8	14.4	1.7
SEPSIS.....	346	30.3	27.0	4.1	38.7	34.1	4.4	41.9	40.1	3.4
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	160	3.7	3.8	1.6	6.3	6.9	2.7	7.5	10.0	4.6
CAROTIO ENDARTERECTOMY.....	66	7.6	1.4	3.8	9.1	2.7	3.5	9.1	4.0	3.9
HIP REPLACEMENT/RECONSTRUCTION.....	287	2.8	3.9	1.3	5.9	7.4	1.9	7.3	9.9	2.7
OPEN REDUCTION OF HIP FRACTURE.....	274	5.8	5.7	1.5	10.9	10.5	1.9	15.3	13.8	3.0
PROSTATECTOMY.....	722	1.7	1.0	0.7	3.2	2.4	0.9	4.4	3.9	1.0
CHOLECYSTECTOMY.....	493	2.8	2.3	0.8	4.7	4.0	1.1	5.7	5.3	1.2
HYSTERECTOMY.....	191	0.0	0.5	0.7	0.0	1.1	1.2	1.0	1.6	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 195,752									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.38	32.39	0.13	0.91	0.00	4.67	4.66	0.05	1.00	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.98	0.91	0.02	1.09	0.03					
CONGESTIVE HEART FAILURE.....	2.05	2.08	0.03	0.99	0.02					
PNEUMONIA/INFLUENZA.....	1.24	1.30	0.03	0.95	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.47	0.61	0.02	0.82	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.50	0.02	0.76	0.02					
STROKE.....	1.19	1.13	0.02	1.06	0.02					
HIP FRACTURE.....	0.47	0.47	0.02	1.01	0.03					
SEPSIS.....	0.34	0.42	0.01	0.81	0.03					
PROCEDURES:										
ANGIOPLASTY.....	0.24	0.21	0.01	1.10	0.06					
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.32	0.01	1.02	0.04					
INITIAL PACEMAKER INSERTION.....	0.23	0.18	0.01	1.27	0.08					
CAROTIO ENDARTERECTOMY.....	0.10	0.12	0.01	1.00	0.08					
HIP REPLACEMENT/RECONSTRUCTION.....	0.31	0.31	0.01	1.03	0.05					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.24	0.01	1.01	0.05					
PROSTATECTOMY.....	0.69	0.72	0.02	0.96	0.03					
CHOLECYSTECTOMY.....	0.41	0.47	0.01	0.90	0.03					
HYSTERECTOMY.....	0.18	0.16	0.01	1.15	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

RAPID CITY, SD
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,413	7.8	8.3	0.6	11.4	12.4	0.8	13.9	15.7	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	123	26.8	29.3	5.6	28.5	32.6	6.5	30.9	36.2	7.3
CONGESTIVE HEART FAILURE.....	93	14.0	14.5	3.7	18.3	22.6	6.0	24.7	29.3	7.0
PNEUMONIA/INFLUENZA.....	99	13.1	16.5	4.2	17.2	22.5	5.7	19.2	27.1	6.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	27	0.0	4.8	*	3.7	8.3	*	3.7	11.6	*
TRANSIENT CEREBRAL ISCHEMIA.....	31	0.0	1.7	*	3.2	3.7	*	3.2	5.8	*
STROKE.....	54	20.4	20.5	5.6	24.1	26.9	6.5	29.6	31.6	6.5
HIP FRACTURE.....	66	6.1	6.8	3.2	13.6	12.3	4.2	18.2	15.9	5.5
SEPSIS.....	17	17.6	29.2	*	23.5	39.2	*	29.4	46.3	*
PROCEDURES:										
ANGIOPLASTY.....	25	8.0	5.9	*	8.0	6.7	*	12.0	7.8	*
CORONARY ARTERY BYPASS GRAFT.....	39	10.3	5.0	*	10.3	6.8	*	10.3	8.0	*
INITIAL PACEMAKER INSERTION.....	17	5.9	7.7	*	5.9	11.5	*	11.8	14.6	*
CAROTID ENDARTERECTOMY.....	11	0.0	1.4	*	9.1	2.6	*	9.1	3.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	73	1.4	2.0	1.7	2.7	3.8	2.4	4.1	5.1	3.0
OPEN REDUCTION OF HIP FRACTURE.....	38	5.3	6.8	*	15.8	12.6	*	18.4	16.4	*
PROSTATECTOMY.....	134	1.5	1.1	1.2	2.2	2.7	2.0	6.0	4.6	2.2
CHOLECYSTECTOMY.....	57	0.0	2.8	3.4	3.5	5.3	3.4	5.3	7.1	4.2
HYSTERECTOMY.....	32	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 9,138						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.95	27.57	0.55	0.90	0.02		4.09	4.57	0.22	0.89	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.31	0.90	0.10	1.42	0.16						
CONGESTIVE HEART FAILURE.....	1.37	1.59	0.13	0.90	0.08						
PNEUMONIA/INFLUENZA.....	1.34	1.30	0.12	1.05	0.10						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.47	0.52	0.08	0.94	0.14						
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.40	0.07	0.68	0.12						
STROKE.....	0.57	0.86	0.10	0.70	0.08						
HIP FRACTURE.....	0.49	0.60	0.08	0.79	0.11						
SEPSIS.....	0.23	0.31	0.06	0.76	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.24	0.05	1.03	0.23						
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.35	0.06	0.76	0.14						
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.04	0.58	0.15						
CAROTID ENDARTERECTOMY.....	0.05	0.13	0.04	1.00	0.32						
HIP REPLACEMENT/RECONSTRUCTION.....	0.48	0.43	0.07	1.13	0.19						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.28	0.06	0.92	0.19						
PROSTATECTOMY.....	1.04	0.75	0.09	1.39	0.17						
CHOLECYSTECTOMY.....	0.49	0.46	0.07	1.15	0.19						
HYSTERECTOMY.....	0.20	0.18	0.04	1.11	0.30						

** QUANTITIES COULD NOT BE ESTIMATED

SIOUX FALLS, SD
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	7,032	6.8	8.0	0.3	11.0	12.6	0.5	13.7	16.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	255	22.7	28.5	4.3	26.7	31.8	4.7	27.5	35.3	5.4
CONGESTIVE HEART FAILURE.....	194	14.9	15.0	2.6	22.7	23.3	3.1	28.9	30.3	3.7
PNEUMONIA/INFLUENZA.....	173	15.6	17.0	3.2	22.0	23.5	3.4	24.3	28.3	4.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	46	4.3	9.0	*	10.9	15.5	*	15.2	21.1	*
TRANSIENT CEREBRAL ISCHEMIA.....	98	1.0	2.1	1.9	2.0	4.9	3.6	5.1	7.9	5.1
STROKE.....	161	19.9	22.2	3.8	26.7	28.4	3.7	29.2	33.1	4.6
HIP FRACTURE.....	179	5.0	6.6	2.2	11.7	12.0	2.8	13.4	15.7	3.8
SEPSIS.....	34	20.6	27.3	*	23.5	36.4	*	32.4	43.2	*
PROCEDURES:										
ANGIOPLASTY.....	199	3.5	4.0	1.5	4.0	5.2	1.9	5.0	6.5	2.7
CORONARY ARTERY BYPASS GRAFT.....	263	1.5	5.8	1.8	1.9	8.1	2.2	2.7	9.7	2.5
INITIAL PACEMAKER INSERTION.....	64	6.3	4.1	3.1	7.8	8.2	3.8	14.1	11.9	4.5
CAROTID ENDARTERECTOMY.....	51	2.0	1.5	1.9	3.9	2.9	2.6	5.9	4.2	3.7
HIP REPLACEMENT/RECONSTRUCTION.....	293	2.4	1.9	1.2	3.8	3.7	2.0	3.8	5.2	2.2
OPEN REDUCTION OF HIP FRACTURE.....	66	3.0	6.8	4.9	16.7	12.8	5.3	19.7	16.8	6.7
PROSTATECTOMY.....	232	0.4	1.2	0.8	1.7	3.1	1.4	2.2	5.2	1.9
CHOLECYSTECTOMY.....	143	0.7	3.2	2.1	4.9	5.6	2.1	7.0	7.2	2.2
HYSTERECTOMY.....	100	1.0	0.7	1.3	2.0	1.6	2.1	4.0	2.6	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,467						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.83	27.83	0.41	**	**		4.43	4.88	0.17	0.91	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.88	0.07	0.98	0.08						
CONGESTIVE HEART FAILURE.....	1.23	1.62	0.10	0.75	0.05						
PNEUMONIA/INFLUENZA.....	1.20	1.38	0.09	0.89	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.38	0.50	0.06	0.85	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.38	0.40	0.05	0.98	0.13						
STROKE.....	0.68	0.88	0.07	0.79	0.07						
HIP FRACTURE.....	0.56	0.67	0.06	0.80	0.08						
SEPSIS.....	0.25	0.31	0.04	0.85	0.13						
PROCEDURES:											
ANGIOPLASTY.....	0.37	0.22	0.04	1.67	0.30						
CORONARY ARTERY BYPASS GRAFT.....	0.49	0.33	0.04	1.40	0.20						
INITIAL PACEMAKER INSERTION.....	0.13	0.18	0.03	0.74	0.15						
CAROTID ENDARTERECTOMY.....	0.08	0.11	0.03	1.00	0.26						
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.46	0.05	1.10	0.13						
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.31	0.04	0.68	0.10						
PROSTATECTOMY.....	0.75	0.72	0.07	1.02	0.10						
CHOLECYSTECTOMY.....	0.53	0.44	0.05	1.27	0.16						
HYSTERECTOMY.....	0.30	0.18	0.03	1.72	0.35						

** QUANTITIES COULD NOT BE ESTIMATED

SD-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	13,435	8.9	9.3	0.3	13.2	14.1	0.4	16.4	17.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	557	34.6	29.7	3.0	38.4	33.5	2.8	40.4	37.3	2.6
CONGESTIVE HEART FAILURE.....	684	16.2	15.8	1.4	23.4	24.6	2.4	28.9	31.7	2.1
PNEUMONIA/INFLUENZA.....	1,092	11.6	16.4	1.6	18.1	22.7	1.6	22.0	27.5	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	171	7.0	6.5	1.9	9.4	11.9	2.8	15.2	16.7	3.1
TRANSIENT CEREBRAL ISCHEMIA.....	202	2.0	2.0	1.7	4.5	4.7	2.2	9.4	7.5	2.2
STROKE.....	476	22.1	21.2	1.9	27.3	28.1	2.1	30.3	32.9	2.5
HIP FRACTURE.....	295	7.1	6.6	1.7	11.2	12.1	2.2	14.9	15.9	2.6
SEPSIS.....	116	25.9	29.1	4.7	30.2	37.6	5.5	35.3	44.3	5.8
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	66	7.6	4.2	5.2	15.2	7.7	7.6	15.2	10.7	7.8
CAROTID ENDOARTERECTOMY.....	11	0.0	1.5	*	9.1	3.0	*	9.1	4.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	175	5.1	3.6	2.6	8.0	6.9	2.4	10.3	9.3	2.4
OPEN REDUCTION OF HIP FRACTURE.....	112	5.4	6.1	2.6	7.1	11.5	4.4	10.7	15.2	5.6
PROSTATECTOMY.....	486	1.9	1.0	0.8	3.1	2.5	0.8	4.3	4.3	0.9
CHOLECYSTECTOMY.....	247	3.2	2.6	1.3	4.5	4.7	1.5	5.7	6.2	1.6
HYSTERECTOMY.....	106	0.9	1.0	1.0	0.9	2.1	1.7	2.8	3.1	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 88,619						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.48	29.65	0.18	1.06	0.01		4.74	4.91	0.07	0.96	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.30	1.03	0.03	1.26	0.04						
CONGESTIVE HEART FAILURE.....	1.65	1.75	0.05	0.94	0.02						
PNEUMONIA/INFLUENZA.....	2.08	1.59	0.04	1.30	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.53	0.03	0.84	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.43	0.02	**	**						
STROKE.....	0.96	0.96	0.03	1.04	0.04						
HIP FRACTURE.....	0.64	0.68	0.03	0.94	0.04						
SEPSIS.....	0.26	0.31	0.02	0.89	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.22	0.02	1.21	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.37	0.02	1.04	0.07						
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.01	0.95	0.10						
CAROTID ENDOARTERECTOMY.....	0.11	0.11	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.56	0.50	0.02	1.12	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.32	0.02	0.90	0.07						
PROSTATECTOMY.....	1.01	0.87	0.03	1.16	0.05						
CHOLECYSTECTOMY.....	0.51	0.51	0.02	0.98	0.05						
HYSTERECTOMY.....	0.24	0.18	0.01	1.23	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

JACKSON, TN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	6,552	9.5	8.4	0.5	14.3	13.0	0.6	17.8	16.6	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	247	29.1	28.0	3.6	32.0	31.1	3.1	32.8	34.5	3.1
CONGESTIVE HEART FAILURE.....	206	27.2	15.4	4.2	34.0	23.8	4.0	42.7	30.7	4.7
PNEUMONIA/INFLUENZA.....	176	14.8	16.9	3.2	23.3	23.0	3.2	26.1	27.8	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	136	10.3	5.7	3.0	14.7	11.0	4.3	19.1	15.6	3.7
TRANSIENT CEREBRAL ISCHEMIA.....	115	3.5	1.7	1.6	5.2	3.8	2.8	10.4	6.0	3.8
STROKE.....	208	22.6	21.2	4.3	28.8	27.5	4.1	34.1	31.9	4.7
HIP FRACTURE.....	247	7.7	6.0	2.6	12.1	10.8	2.7	14.6	14.1	2.4
SEPSIS.....	54	37.0	28.8	7.3	51.9	39.9	10.8	64.8	47.2	11.2
PROCEDURES:										
ANGIOPLASTY.....	61	4.9	5.7	3.1	4.9	6.8	3.6	4.9	8.2	4.5
CORONARY ARTERY BYPASS GRAFT.....	141	4.3	7.1	3.2	6.4	9.2	3.2	7.8	10.6	3.2
INITIAL PACEMAKER INSERTION.....	110	1.8	3.9	2.7	4.5	6.9	3.7	8.2	9.7	3.8
CAROTID ENDOARTERECTOMY.....	43	0.0	1.4	*	2.3	2.7	*	4.7	3.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	145	6.2	3.8	2.6	9.7	7.0	3.2	11.0	9.3	3.4
OPEN REDUCTION OF HIP FRACTURE.....	138	6.5	5.3	2.3	11.6	10.1	3.1	13.8	13.6	3.1
PROSTATECTOMY.....	277	1.8	1.0	1.0	3.6	2.2	1.5	4.3	3.7	1.5
CHOLECYSTECTOMY.....	151	1.3	2.6	2.1	2.6	4.8	3.0	4.6	6.5	3.1
HYSTERECTOMY.....	46	2.2	0.6	*	2.2	1.3	*	2.2	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 12,628					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SO,%	REL	SE	OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	30.88	31.72	0.50	0.97	0.01	5.01	5.13	0.20	0.97	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.95	0.88	0.08	1.08	0.10					
CONGESTIVE HEART FAILURE.....	1.51	2.01	0.13	0.75	0.05					
PNEUMONIA/INFLUENZA.....	1.14	1.37	0.10	0.83	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.88	0.52	0.07	1.70	0.22					
TRANSIENT CEREBRAL ISCHEMIA.....	0.62	0.45	0.06	1.31	0.18					
STROKE.....	1.04	1.10	0.09	0.95	0.08					
HIP FRACTURE.....	0.80	0.60	0.07	1.32	0.16					
SEPSIS.....	0.34	0.43	0.06	0.83	0.12					
PROCEDURES:										
ANGIOPLASTY.....	0.25	0.21	0.04	1.07	0.22					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.31	0.05	1.08	0.18					
INITIAL PACEMAKER INSERTION.....	0.29	0.19	0.04	1.66	0.36					
CAROTID ENDOARTERECTOMY.....	0.13	0.11	0.03	1.00	0.29					
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.37	0.05	1.15	0.18					
OPEN REDUCTION OF HIP FRACTURE.....	0.48	0.30	0.05	1.57	0.27					
PROSTATECTOMY.....	0.68	0.70	0.07	0.95	0.10					
CHOLECYSTECTOMY.....	0.47	0.43	0.06	1.07	0.15					
HYSTERECTOMY.....	0.21	0.16	0.03	1.31	0.32					

** QUANTITIES COULD NOT BE ESTIMATED

JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	16,178	9.0	8.6	0.3	13.8	13.2	0.5	17.2	16.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	555	27.7	27.4	1.9	33.2	30.5	2.6	36.6	33.9	2.5
CONGESTIVE HEART FAILURE.....	735	15.5	14.1	1.9	23.9	22.1	3.1	30.6	28.8	3.2
PNEUMONIA/INFLUENZA.....	900	16.1	16.4	1.3	22.1	22.5	1.5	26.6	27.1	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	232	5.6	5.3	1.5	11.6	9.9	2.3	14.7	14.1	2.5
TRANSIENT CEREBRAL ISCHEMIA.....	266	0.4	1.8	1.1	1.5	3.9	1.7	5.3	6.2	2.0
STROKE.....	523	19.7	21.5	2.6	27.7	27.9	2.6	32.5	32.4	2.1
HIP FRACTURE.....	392	6.9	6.2	1.5	11.0	11.1	1.6	13.3	14.4	2.0
SEPSIS.....	183	25.7	24.9	3.4	32.8	33.4	4.1	35.5	39.3	5.1
PROCEDURES:										
ANGIOPLASTY.....	59	1.7	3.7	2.9	1.7	4.5	3.3	3.4	5.5	3.5
CORONARY ARTERY BYPASS GRAFT.....	146	1.4	5.7	2.5	2.1	8.1	3.1	2.1	9.6	3.4
INITIAL PACEMAKER INSERTION.....	80	2.5	3.4	2.4	8.7	6.5	3.4	11.2	9.4	5.4
CAROTID ENDARTERECTOMY.....	84	3.6	1.2	2.3	4.8	2.3	3.0	4.8	3.3	3.4
HIP REPLACEMENT/RECONSTRUCTION.....	284	4.6	3.7	2.1	8.1	6.8	2.3	10.2	9.1	2.3
OPEN REDUCTION OF HIP FRACTURE.....	164	7.9	5.7	2.3	10.4	10.7	2.4	12.2	14.0	2.9
PROSTATECTOMY.....	342	0.3	0.8	0.8	1.5	1.9	1.1	3.2	3.2	1.4
CHOLECYSTECTOMY.....	345	2.9	2.3	1.5	6.1	4.0	2.2	6.1	5.1	2.0
HYSTERECTOMY.....	137	1.5	0.7	1.0	2.2	1.4	1.7	4.4	2.1	2.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 75,040						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.96	30.64	0.20	1.01	0.01		4.53	4.55	0.08	1.00	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.05	1.03	0.04	1.03	0.04						
CONGESTIVE HEART FAILURE.....	1.76	1.85	0.05	0.95	0.02						
PNEUMONIA/INFLUENZA.....	1.70	1.47	0.04	1.16	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.52	0.69	0.03	0.77	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.49	0.03	0.92	0.05						
STROKE.....	0.90	0.97	0.04	0.94	0.03						
HIP FRACTURE.....	0.63	0.57	0.03	1.10	0.05						
SEPSIS.....	0.36	0.33	0.02	1.13	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.12	0.25	0.02	0.55	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.36	0.02	0.87	0.05						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.02	0.79	0.07						
CAROTID ENDARTERECTOMY.....	0.10	0.14	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.40	0.02	1.07	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.28	0.02	0.98	0.07						
PROSTATECTOMY.....	0.54	0.74	0.03	0.74	0.03						
CHOLECYSTECTOMY.....	0.55	0.54	0.03	1.03	0.05						
HYSTERECTOMY.....	0.21	0.18	0.02	1.21	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

KNOXVILLE, TN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	22,723	8.3	8.3	0.4	12.6	12.6	0.5	15.6	16.0	0.3
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	785	23.6	27.0	1.9	27.3	30.3	2.0	28.8	33.7	2.3
CONGESTIVE HEART FAILURE.....	918	16.8	14.9	2.2	24.6	22.9	2.6	30.1	29.5	1.9
PNEUMONIA/INFLUENZA.....	979	15.8	15.4	1.2	22.0	21.1	1.6	25.4	25.6	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	388	4.6	6.3	2.0	9.0	11.4	2.5	12.6	15.9	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	327	2.8	1.9	1.0	5.8	4.3	1.9	9.2	6.8	3.0
STROKE.....	694	20.0	21.0	1.8	26.1	27.1	1.8	28.4	31.6	2.2
HIP FRACTURE.....	615	6.8	6.5	1.1	11.5	11.5	1.3	14.0	14.8	1.7
SEPSIS.....	188	21.8	26.3	5.7	29.3	34.0	6.6	35.1	40.2	7.7
PROCEOURES:										
ANGIOPLASTY.....	280	4.3	4.8	1.3	4.6	5.9	1.5	4.6	7.1	1.7
CORONARY ARTERY BYPASS GRAFT.....	352	3.4	5.0	1.8	5.1	7.0	1.9	6.0	8.3	2.1
INITIAL PACEMAKER INSERTION.....	138	1.4	3.4	2.9	6.5	6.2	4.5	6.5	8.9	4.0
CAROTIO ENDARTERECTOMY.....	169	1.2	1.4	0.9	1.8	2.6	1.5	3.6	3.9	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	415	3.9	3.4	1.0	6.7	6.2	1.4	8.2	8.1	1.4
OPEN REDUCTION OF HIP FRACTURE.....	291	7.2	6.0	2.0	10.7	11.0	1.9	13.4	14.4	2.6
PROSTATECTOMY.....	818	0.4	0.9	0.5	1.8	2.1	0.7	3.1	3.5	0.8
CHOLECYSTECTOMY.....	517	2.5	2.8	0.9	3.9	4.9	1.6	5.6	6.5	1.9
HYSTERECTOMY.....	239	0.4	0.5	0.6	0.8	1.0	1.0	1.7	1.6	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 90,750						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	30.01	30.01	0.18	**	**		4.52	4.58	0.07	0.99	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	0.98	0.03	1.01	0.03						
CONGESTIVE HEART FAILURE.....	1.59	1.81	0.04	0.88	0.02						
PNEUMONIA/INFLUENZA.....	1.45	1.36	0.04	1.07	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.66	0.62	0.03	1.06	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.47	0.02	0.96	0.05						
STROKE.....	0.91	0.97	0.03	0.94	0.03						
HIP FRACTURE.....	0.68	0.58	0.02	1.18	0.05						
SEPSIS.....	0.29	0.34	0.02	0.88	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.30	0.24	0.02	1.25	0.09						
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.36	0.02	1.13	0.06						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.01	0.76	0.06						
CAROTIO ENDARTERECTOMY.....	0.15	0.14	0.01	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.40	0.02	1.01	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.35	0.28	0.02	1.26	0.08						
PROSTATECTOMY.....	0.84	0.73	0.03	1.14	0.04						
CHOLECYSTECTOMY.....	0.56	0.50	0.02	1.11	0.05						
HYSTERECTOMY.....	0.23	0.18	0.01	1.34	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

NASHVILLE, TN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	32,924	7.6	8.3	0.2	11.9	12.8	0.2	15.3	16.3	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	933	22.7	24.5	2.1	27.3	27.7	2.0	30.7	31.0	1.6
CONGESTIVE HEART FAILURE.....	1,482	12.8	14.4	1.5	20.4	22.6	1.9	26.8	29.4	1.8
PNEUMONIA/INFLUENZA.....	1,212	14.4	15.7	1.8	20.8	21.6	1.7	25.1	26.3	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	473	5.7	6.4	1.5	9.5	11.7	2.6	13.5	16.4	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	575	1.6	1.8	0.6	2.8	3.9	0.9	3.8	6.2	1.4
STROKE.....	1,131	18.0	19.9	1.6	23.8	26.6	2.1	27.7	31.1	2.4
HIP FRACTURE.....	727	6.2	6.3	0.9	10.6	11.2	1.3	14.6	14.5	1.3
SEPSIS.....	387	28.4	26.3	3.5	40.6	35.0	3.9	46.3	41.2	4.0
PROCEDURES:										
ANGIOPLASTY.....	248	4.0	3.6	1.2	6.9	4.5	1.7	7.3	5.5	2.0
CORONARY ARTERY BYPASS GRAFT.....	654	4.9	5.4	1.3	7.0	7.6	1.2	8.0	8.9	1.3
INITIAL PACEMAKER INSERTION.....	191	3.7	3.3	1.9	7.3	6.4	2.0	11.5	9.3	2.3
CAROTID ENDOARTERECTOMY.....	219	0.9	1.5	1.4	3.2	2.9	1.2	4.1	4.4	1.5
HIP REPLACEMENT/RECONSTRUCTION.....	529	3.8	3.4	1.0	6.8	6.4	1.2	8.9	8.7	1.3
OPEN REDUCTION OF HIP FRACTURE.....	352	5.7	5.7	1.3	9.9	10.7	1.8	14.2	14.1	1.9
PROSTATECTOMY.....	977	1.5	1.1	0.5	4.2	2.5	0.9	5.8	4.1	1.0
CHOLECYSTECTOMY.....	632	2.7	3.0	1.1	4.7	5.4	1.3	5.7	7.2	1.5
HYSTERECTOMY.....	245	0.4	0.9	0.8	1.2	1.9	1.1	2.4	2.8	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 117,744					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.14	29.72	0.16	1.15	0.01	4.90	4.74	0.06	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.90	0.03	0.98	0.03					
CONGESTIVE HEART FAILURE.....	2.13	1.83	0.04	1.16	0.02					
PNEUMONIA/INFLUENZA.....	1.46	1.27	0.03	1.15	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.67	0.53	0.02	1.26	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.55	0.45	0.02	1.23	0.05					
STROKE.....	1.26	1.01	0.03	1.25	0.04					
HIP FRACTURE.....	0.71	0.59	0.02	1.21	0.05					
SEPSIS.....	0.53	0.37	0.02	1.41	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.17	0.23	0.01	0.74	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.34	0.02	1.24	0.06					
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.93	0.06					
CAROTID ENDOARTERECTOMY.....	0.13	0.12	0.01	1.00	0.09					
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.39	0.02	1.22	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.29	0.02	1.12	0.06					
PROSTATECTOMY.....	0.74	0.72	0.02	1.04	0.04					
CHOLECYSTECTOMY.....	0.51	0.45	0.02	1.14	0.05					
HYSTERECTOMY.....	0.18	0.16	0.01	1.09	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

TN-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	43,591	9.2	9.0	0.2	13.7	13.6	0.2	17.0	17.4	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,232	31.5	28.3	1.8	35.7	31.7	2.0	38.8	35.4	1.9
CONGESTIVE HEART FAILURE.....	2,514	16.1	14.6	1.2	24.5	22.9	1.0	30.1	29.7	1.0
PNEUMONIA/INFLUENZA.....	3,107	13.5	15.8	1.5	20.3	21.7	1.3	24.2	26.3	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,176	6.2	6.3	0.8	10.5	11.7	1.3	14.4	16.6	1.7
TRANSIENT CEREBRAL ISCHEMIA.....	885	2.0	1.9	0.7	4.9	4.4	0.8	6.9	7.1	1.0
STROKE.....	1,693	22.0	20.3	1.7	29.0	26.9	1.9	33.7	31.5	2.0
HIP FRACTURE.....	827	6.2	6.3	1.3	9.3	11.3	2.2	13.5	14.6	2.1
SEPSIS.....	517	25.0	27.2	2.3	33.3	35.2	2.8	38.7	41.4	2.6
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	103	6.8	4.5	3.9	10.7	8.3	3.6	12.6	11.8	3.5
CAROTID ENDARTERECTOMY.....	24	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	406	4.4	4.5	1.1	7.4	8.5	1.7	11.1	11.3	1.6
OPEN REDUCTION OF HIP FRACTURE.....	413	6.1	5.7	1.7	9.9	10.5	1.6	13.6	13.8	1.9
PROSTATECTOMY.....	827	1.0	1.0	0.4	2.8	2.5	0.6	5.0	4.2	0.8
CHOLECYSTECTOMY.....	732	3.4	2.4	1.3	4.9	4.2	1.6	6.3	5.4	1.6
HYSTERECTOMY.....	233	2.1	0.5	1.0	2.1	1.1	0.9	2.1	1.7	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 273,032					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	38.46	31.74	0.11	1.21	0.00	4.76	4.62	0.04	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.16	1.05	0.02	1.10	0.02					
CONGESTIVE HEART FAILURE.....	2.24	1.91	0.03	1.17	0.02					
PNEUMONIA/INFLUENZA.....	2.10	1.57	0.02	1.34	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1.09	0.68	0.02	1.56	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.67	0.49	0.01	1.38	0.04					
STROKE.....	1.22	1.02	0.02	1.20	0.02					
HIP FRACTURE.....	0.69	0.58	0.01	1.19	0.03					
SEPSIS.....	0.40	0.34	0.01	1.18	0.04					
PROCEDURES:										
ANGIOPLASTY.....	0.18	0.23	0.01	0.89	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.36	0.01	1.05	0.04					
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.93	0.05					
CAROTID ENDARTERECTOMY.....	0.14	0.14	0.01	**	**					
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.40	0.01	1.04	0.03					
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.28	0.01	1.18	0.05					
PROSTATECTOMY.....	0.82	0.77	0.02	1.07	0.02					
CHOLECYSTECTOMY.....	0.57	0.55	0.01	1.05	0.03					
HYSTERECTOMY.....	0.19	0.18	0.01	1.13	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

ABILENE, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,367	10.4	9.5	0.6	15.6	14.8	0.7	18.9	18.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	208	24.5	25.2	3.3	28.8	28.5	3.3	31.7	31.9	3.4
CONGESTIVE HEART FAILURE.....	182	20.3	14.0	4.3	28.6	21.8	4.8	35.7	28.3	5.2
PNEUMONIA/INFLUENZA.....	131	24.4	15.8	4.9	29.8	21.7	4.7	33.6	26.4	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	42	7.1	9.1	*	11.9	14.2	*	11.9	18.6	*
TRANSIENT CEREBRAL ISCHEMIA.....	68	1.5	1.8	1.7	5.9	4.1	2.8	8.8	6.6	3.9
STROKE.....	163	19.0	18.4	3.1	23.9	25.0	4.0	27.0	29.3	3.8
HIP FRACTURE.....	198	7.6	6.4	4.3	15.2	11.7	5.1	17.7	15.2	5.0
SEPSIS.....	63	36.5	26.1	7.8	54.0	34.1	9.9	55.6	40.2	9.0
PROCEDURES:										
ANGIOPLASTY.....	59	0.0	3.5	4.2	0.0	4.5	5.1	1.7	5.6	4.6
CORONARY ARTERY BYPASS GRAFT.....	91	2.2	6.0	4.1	4.4	8.1	5.3	4.4	9.4	5.8
INITIAL PACEMAKER INSERTION.....	76	3.9	4.5	4.5	11.8	7.8	5.4	13.2	10.7	4.9
CAROTID ENDARTERECTOMY.....	45	0.0	2.0	*	2.2	3.9	*	4.4	5.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	138	5.1	3.6	3.1	9.4	7.0	2.9	11.6	9.5	2.8
OPEN REDUCTION OF HIP FRACTURE.....	103	7.8	6.2	3.9	16.5	11.7	5.8	17.5	15.4	5.3
PROSTATECTOMY.....	148	0.7	1.1	1.0	0.7	2.6	1.7	1.4	4.4	2.5
CHOLECYSTECTOMY.....	114	4.4	2.9	2.3	6.1	5.1	2.3	7.0	6.7	2.6
HYSTERECTOMY.....	44	4.5	0.9	*	4.5	1.9	*	4.5	2.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,048									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.50	28.65	0.42	0.86	0.01	4.41	4.72	0.17	0.94	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.95	0.92	0.08	1.04	0.09					
CONGESTIVE HEART FAILURE.....	1.38	1.72	0.10	0.80	0.05					
PNEUMONIA/INFLUENZA.....	0.83	1.30	0.09	0.65	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.52	0.06	0.79	0.09					
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.42	0.05	0.94	0.12					
STROKE.....	0.95	0.93	0.08	1.02	0.08					
HIP FRACTURE.....	0.78	0.63	0.06	1.22	0.13					
SEPSIS.....	0.42	0.33	0.05	1.20	0.17					
PROCEDURES:										
ANGIOPLASTY.....	0.41	0.22	0.04	1.73	0.31					
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.34	0.05	1.21	0.17					
INITIAL PACEMAKER INSERTION.....	0.28	0.19	0.03	1.43	0.27					
CAROTID ENDARTERECTOMY.....	0.17	0.12	0.03	1.00	0.25					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.43	0.05	1.02	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.41	0.30	0.04	1.26	0.19					
PROSTATECTOMY.....	0.54	0.73	0.07	0.74	0.07					
CHOLECYSTECTOMY.....	0.47	0.45	0.05	1.02	0.12					
HYSTERECTOMY.....	0.18	0.17	0.03	0.95	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

AMARILLO, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,925	8.8	7.7	0.6	13.6	12.1	0.7	17.0	15.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	226	27.9	23.4	3.5	30.1	26.5	3.9	36.3	29.9	4.5
CONGESTIVE HEART FAILURE.....	283	18.0	13.0	2.8	27.9	20.5	3.7	33.6	27.0	4.7
PNEUMONIA/INFLUENZA.....	243	24.7	15.4	3.6	32.5	21.3	4.3	36.6	26.1	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	115	7.8	7.2	2.8	13.9	12.7	3.2	21.7	17.5	4.8
TRANSIENT CEREBRAL ISCHEMIA.....	67	0.0	1.7	2.2	3.0	3.8	3.2	4.5	6.2	3.9
STROKE.....	231	17.7	18.7	2.6	26.0	24.5	3.0	28.1	28.9	3.1
HIP FRACTURE.....	278	6.5	5.3	2.8	11.9	10.0	3.1	15.1	13.3	3.7
SEPSIS.....	58	20.7	26.1	10.4	27.6	34.1	11.9	32.8	40.6	11.7
PROCEDURES:										
ANGIOPLASTY.....	24	8.3	3.2	*	8.3	4.0	*	8.3	5.1	*
CORONARY ARTERY BYPASS GRAFT.....	137	10.9	5.2	3.5	16.1	7.3	3.5	16.8	8.8	3.4
INITIAL PACEMAKER INSERTION.....	62	4.8	2.3	3.3	4.8	4.8	3.8	6.5	7.4	4.5
CAROTID ENDOARTERECTOMY.....	29	0.0	1.6	*	0.0	3.1	*	0.0	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	250	2.4	2.6	1.3	5.6	5.2	1.5	6.8	7.2	1.7
OPEN REDUCTION OF HIP FRACTURE.....	141	7.8	5.0	3.1	12.8	9.6	3.5	17.0	13.0	4.3
PROSTATECTOMY.....	321	0.9	1.1	0.8	0.9	2.6	1.2	2.8	4.4	1.4
CHOLECYSTECTOMY.....	169	3.6	2.5	1.5	4.7	4.4	1.6	4.7	5.8	2.1
HYSTERECTOMY.....	68	0.0	1.7	2.2	0.0	2.8	3.1	1.5	3.7	3.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,583					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.64	28.48	0.35	0.94	0.01	5.01	4.55	0.14	1.10	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.94	0.06	0.99	0.07					
CONGESTIVE HEART FAILURE.....	1.42	1.72	0.09	0.83	0.04					
PNEUMONIA/INFLUENZA.....	1.18	1.21	0.07	1.00	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.60	0.53	0.05	1.14	0.10					
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.44	0.04	0.64	0.06					
STROKE.....	0.76	0.94	0.06	0.79	0.05					
HIP FRACTURE.....	0.78	0.60	0.05	1.29	0.11					
SEPSIS.....	0.28	0.33	0.04	0.81	0.10					
PROCEDURES:										
ANGIOPLASTY.....	0.10	0.24	0.03	0.35	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.37	0.04	0.89	0.10					
INITIAL PACEMAKER INSERTION.....	0.18	0.20	0.03	0.89	0.14					
CAROTID ENDOARTERECTOMY.....	0.08	0.13	0.02	1.00	0.19					
HIP REPLACEMENT/RECONSTRUCTION.....	0.57	0.42	0.04	1.33	0.14					
OPEN REDUCTION OF HIP FRACTURE.....	0.44	0.29	0.03	1.46	0.18					
PROSTATECTOMY.....	0.79	0.77	0.06	1.04	0.08					
CHOLECYSTECTOMY.....	0.54	0.47	0.04	1.16	0.11					
HYSTERECTOMY.....	0.22	0.18	0.03	1.35	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

AUSTIN, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,853	9.1	8.4	0.3	13.9	13.2	0.4	17.6	17.0	0.4
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	343	19.8	24.1	3.6	23.3	27.5	3.9	25.9	31.0	4.3
CONGESTIVE HEART FAILURE.....	584	13.5	13.5	1.6	20.7	21.2	1.7	26.5	27.8	2.8
PNEUMONIA/INFLUENZA.....	555	17.3	14.5	1.7	21.4	20.0	1.7	25.9	24.5	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	194	8.8	7.5	2.3	14.9	13.8	2.6	21.6	19.1	3.6
TRANSIENT CEREBRAL ISCHEMIA.....	218	0.5	1.6	1.1	1.4	3.5	2.0	3.7	5.6	2.4
STROKE.....	502	18.1	19.4	2.4	26.1	25.8	2.3	29.3	30.2	2.2
HIP FRACTURE.....	460	5.7	5.5	1.4	11.3	10.3	1.6	14.1	13.7	1.8
SEPSIS.....	127	36.2	26.6	4.9	41.7	34.6	4.8	47.2	41.3	4.8
PROCEDURES:										
ANGIOPLASTY.....	146	3.4	3.0	1.6	4.1	3.9	1.6	6.2	5.0	2.4
CORONARY ARTERY BYPASS GRAFT.....	216	6.9	5.1	2.6	9.3	7.3	2.8	10.6	8.8	3.3
INITIAL PACEMAKER INSERTION.....	102	5.9	2.3	3.3	7.8	4.9	3.3	8.8	7.5	3.0
CAROTIO ENOARTERECTOMY.....	51	2.0	1.7	2.7	2.0	3.2	3.2	3.9	4.8	3.7
HIP REPLACEMENT/RECONSTRUCTION.....	279	2.5	3.2	1.1	6.1	6.1	2.1	6.5	8.4	2.3
OPEN REDUCTION OF HIP FRACTURE.....	240	5.0	4.9	1.5	10.4	9.5	2.1	14.6	12.8	3.2
PROSTATECTOMY.....	570	1.9	1.2	0.7	4.6	3.0	1.3	6.3	5.0	1.5
CHOLECYSTECTOMY.....	305	3.3	3.2	1.2	5.9	5.8	2.3	8.2	7.7	2.8
HYSTERECTOMY.....	127	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANOARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 62,607									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.09	27.83	0.21	0.90	0.01	4.35	4.63	0.09	0.94	0.02
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.67	0.85	0.04	0.80	0.03					
CONGESTIVE HEART FAILURE.....	1.32	1.66	0.05	0.79	0.02					
PNEUMONIA/INFLUENZA.....	1.12	1.20	0.04	0.94	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.47	0.03	0.89	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.41	0.03	0.99	0.07					
STROKE.....	0.92	0.93	0.04	1.01	0.04					
HIP FRACTURE.....	0.75	0.59	0.03	1.29	0.07					
SEPSIS.....	0.31	0.34	0.02	0.91	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.24	0.23	0.02	1.03	0.10					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.34	0.02	1.07	0.08					
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.02	0.94	0.10					
CAROTIO ENOARTERECTOMY.....	0.08	0.11	0.01	1.00	0.15					
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.40	0.03	1.11	0.07					
OPEN REDUCTION OF HIP FRACTURE.....	0.39	0.29	0.02	1.32	0.11					
PROSTATECTOMY.....	0.95	0.73	0.03	1.31	0.06					
CHOLECYSTECTOMY.....	0.47	0.42	0.03	1.19	0.08					
HYSTERECTOMY.....	0.22	0.17	0.02	1.39	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

BEAUMONT-PORT ARTHUR, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	13,392	8.7	9.2	0.3	13.4	14.0	0.4	16.5	17.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	391	27.9	26.9	2.5	31.7	30.0	2.7	34.0	33.3	2.5
CONGESTIVE HEART FAILURE.....	623	14.9	14.2	1.9	23.8	22.0	2.0	27.6	28.5	2.0
PNEUMONIA/INFLUENZA.....	598	13.4	15.9	2.4	19.9	21.7	2.4	23.2	26.2	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	266	6.4	9.8	3.0	11.3	16.1	3.9	16.5	21.4	4.2
TRANSIENT CEREBRAL ISCHEMIA.....	268	0.0	1.9	1.2	0.7	4.1	2.0	3.0	6.5	2.4
STROKE.....	458	18.3	20.2	2.7	24.2	26.7	3.6	28.8	31.1	3.2
HIP FRACTURE.....	268	9.3	7.1	2.6	14.9	12.5	2.7	17.2	16.0	2.4
SEPSIS.....	214	25.2	27.9	3.9	36.4	37.0	3.5	40.2	43.1	4.2
PROCEDURES:										
ANGIOPLASTY.....	152	4.6	4.4	1.7	5.3	5.5	1.9	5.3	6.8	2.5
CORONARY ARTERY BYPASS GRAFT.....	188	8.5	5.5	3.1	9.0	7.5	2.8	9.0	8.8	3.1
INITIAL PACEMAKER INSERTION.....	135	3.7	3.7	1.8	4.4	6.8	2.4	5.9	9.5	3.2
CAROTID ENDARTERECTOMY.....	47	2.1	1.8	*	6.4	3.6	*	6.4	5.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	148	4.1	4.1	1.9	6.1	7.4	3.0	8.1	9.7	3.3
OPEN REDUCTION OF HIP FRACTURE.....	159	8.8	6.5	3.2	17.0	12.1	3.9	18.9	15.8	3.4
PROSTATECTOMY.....	528	0.9	1.1	0.6	2.5	2.6	0.7	3.6	4.2	1.1
CHOLECYSTECTOMY.....	266	3.0	3.1	1.4	6.0	5.5	1.7	7.5	7.2	2.1
HYSTERECTOMY.....	98	2.0	0.7	1.6	2.0	1.5	1.4	2.0	2.3	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 52,776						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	39.05	28.80	0.23	1.36	0.01		4.86	4.63	0.09	1.05	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.97	0.86	0.04	1.13	0.05						
CONGESTIVE HEART FAILURE.....	2.16	1.82	0.06	1.19	0.04						
PNEUMONIA/INFLUENZA.....	1.73	1.14	0.05	1.52	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.94	0.51	0.03	1.87	0.12						
TRANSIENT CEREBRAL ISCHEMIA.....	0.67	0.43	0.03	1.58	0.11						
STROKE.....	1.18	0.99	0.04	1.19	0.05						
HIP FRACTURE.....	0.59	0.53	0.03	1.12	0.07						
SEPSIS.....	0.63	0.38	0.03	1.61	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.35	0.25	0.02	1.40	0.13						
CORONARY ARTERY BYPASS GRAFT.....	0.50	0.35	0.03	1.49	0.11						
INITIAL PACEMAKER INSERTION.....	0.33	0.19	0.02	1.69	0.17						
CAROTID ENDARTERECTOMY.....	0.13	0.12	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.38	0.03	0.96	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.35	0.26	0.02	1.35	0.12						
PROSTATECTOMY.....	1.20	0.78	0.04	1.52	0.08						
CHOLECYSTECTOMY.....	0.60	0.42	0.03	1.44	0.10						
HYSTERECTOMY.....	0.20	0.16	0.02	1.28	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

8RAZORIA, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,738	11.3	9.5	0.9	16.2	14.4	1.0	19.6	18.2	1.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	66	24.2	24.0	5.5	27.3	27.5	6.1	37.9	31.2	6.8
CONGESTIVE HEART FAILURE.....	105	10.5	13.8	3.7	22.9	21.3	4.1	27.6	27.9	4.4
PNEUMONIA/INFLUENZA.....	124	23.4	15.1	4.8	27.4	20.8	4.3	29.8	25.4	4.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	33	3.0	6.5	*	9.1	11.9	*	9.1	16.6	*
TRANSIENT CEREBRAL ISCHEMIA.....	27	3.7	1.8	*	3.7	4.0	*	7.4	6.4	*
STROKE.....	74	24.3	18.0	8.1	29.7	24.2	12.1	36.5	28.7	11.7
HIP FRACTURE.....	42	7.1	5.9	*	16.7	10.7	*	19.0	14.0	*
SEPSIS.....	44	25.0	24.1	*	31.8	31.9	*	36.4	38.0	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	8	0.0	5.4	*	0.0	10.2	*	12.5	14.6	*
CAROTID ENDARTERECTOMY.....	0									
HIP REPLACEMENT/RECONSTRUCTION.....	24	8.3	4.3	*	16.7	8.2	*	16.7	11.0	*
OPEN REDUCTION OF HIP FRACTURE.....	19	0.0	5.5	*	10.5	10.2	*	15.8	13.4	*
PROSTATECTOMY.....	38	2.6	1.3	*	5.3	3.0	*	7.9	5.1	*
CHOLECYSTECTOMY.....	40	2.5	2.4	*	2.5	4.0	*	2.5	5.1	*
HYSTERECTOMY.....	10	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,652						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.51	27.16	0.40	1.20	0.02		4.61	4.29	0.16	1.08	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.06	0.86	0.07	1.22	0.10						
CONGESTIVE HEART FAILURE.....	1.98	1.59	0.10	1.25	0.08						
PNEUMONIA/INFLUENZA.....	1.47	1.10	0.08	1.34	0.10						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.59	0.50	0.06	1.18	0.13						
TRANSIENT CEREBRAL ISCHEMIA.....	0.38	0.43	0.05	0.93	0.11						
STROKE.....	1.05	0.89	0.07	1.18	0.10						
HIP FRACTURE.....	0.55	0.52	0.06	1.04	0.12						
SEPSIS.....	0.50	0.33	0.05	1.53	0.22						
PROCEDURES:											
ANGIOPLASTY.....	0.36	0.27	0.04	1.24	0.20						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.40	0.05	1.05	0.13						
INITIAL PACEMAKER INSERTION.....	0.28	0.19	0.03	1.47	0.30						
CAROTID ENDARTERECTOMY.....	0.11	0.13	0.03	1.00	0.26						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.39	0.05	0.93	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.25	0.04	1.20	0.20						
PROSTATECTOMY.....	0.75	0.80	0.07	1.00	0.09						
CHOLECYSTECTOMY.....	0.53	0.45	0.05	1.18	0.14						
HYSTERECTOMY.....	0.19	0.17	0.03	0.88	0.20						

** QUANTITIES COULD NOT BE ESTIMATED

BROWNSVILLE-HARLINGEN, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	5,455	9.3	8.5	0.6	13.8	13.1	0.7	17.2	16.8	0.6
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	172	25.6	23.3	4.7	27.3	26.4	4.2	30.2	29.6	3.6
CONGESTIVE HEART FAILURE.....	248	18.1	13.5	3.4	27.8	21.1	4.2	33.5	27.7	4.7
PNEUMONIA/INFLUENZA.....	169	18.3	14.3	5.2	21.9	19.8	5.2	26.0	24.3	5.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	83	6.0	6.9	2.9	12.0	12.3	4.7	15.7	17.3	5.5
TRANSIENT CEREBRAL ISCHEMIA.....	102	1.0	1.7	1.6	1.0	3.7	3.1	3.9	6.0	3.7
STROKE.....	217	18.4	19.0	2.7	26.3	25.5	3.7	29.5	30.1	3.4
HIP FRACTURE.....	118	5.9	5.2	3.9	11.0	9.6	4.0	15.3	12.8	6.1
SEPSIS.....	105	33.3	27.5	7.8	41.0	34.9	7.5	42.9	41.4	5.5
PROCEDURES:										
ANGIOPLASTY.....	65	7.7	5.0	4.9	7.7	6.0	5.3	7.7	7.2	5.8
CORONARY ARTERY BYPASS GRAFT.....	110	7.3	6.1	2.5	10.0	8.2	3.3	10.0	9.6	2.8
INITIAL PACEMAKER INSERTION.....	33	12.1	4.1	*	12.1	7.3	*	12.1	10.4	*
CAROTID ENDOARTERECTOMY.....	22	0.0	1.6	*	4.5	3.1	*	4.5	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	108	2.8	2.7	1.9	5.6	5.5	2.2	5.6	7.8	3.0
OPEN REDUCTION OF HIP FRACTURE.....	62	6.5	4.6	4.1	9.7	8.7	5.3	16.1	11.7	6.7
PROSTATECTOMY.....	177	1.1	1.0	0.9	1.7	2.4	1.5	4.5	4.0	1.5
CHOLECYSTECTOMY.....	148	3.4	3.1	1.6	6.8	5.1	2.1	8.1	6.4	3.3
HYSTERECTOMY.....	69	1.4	0.7	1.2	1.4	1.4	1.7	2.9	2.1	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 28,111						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	23.85	29.40	0.32	0.81	0.01		3.84	4.37	0.13	0.88	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.58	1.05	0.06	0.55	0.03						
CONGESTIVE HEART FAILURE.....	1.40	1.73	0.08	0.81	0.04						
PNEUMONIA/INFLUENZA.....	0.74	1.50	0.07	0.49	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.40	0.67	0.05	0.60	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.38	0.46	0.04	0.82	0.07						
STROKE.....	0.86	0.93	0.06	0.92	0.06						
HIP FRACTURE.....	0.49	0.54	0.04	0.88	0.07						
SEPSIS.....	0.48	0.32	0.03	1.51	0.16						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.29	0.03	0.70	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.41	0.04	0.88	0.08						
INITIAL PACEMAKER INSERTION.....	0.15	0.20	0.03	0.73	0.10						
CAROTID ENDOARTERECTOMY.....	0.11	0.17	0.02	1.00	0.14						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.43	0.04	0.82	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.27	0.03	0.96	0.11						
PROSTATECTOMY.....	0.63	0.88	0.06	0.72	0.05						
CHOLECYSTECTOMY.....	0.55	0.56	0.04	0.99	0.08						
HYSTERECTOMY.....	0.25	0.19	0.03	1.33	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

BRYAN-COLLEGE STATION, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,326	11.6	9.4	0.9	16.3	14.1	0.9	19.1	17.7	0.9
CONDIIONS:										
ACUTE MYOCARDIAL INFARCTION.....	73	32.9	25.7	6.8	38.4	29.2	7.5	41.1	32.8	7.2
CONGESTIVE HEART FAILURE.....	114	16.7	14.1	4.5	24.6	22.1	4.4	30.7	28.8	5.2
PNEUMONIA/INFLUENZA.....	105	22.9	14.5	5.4	33.3	20.1	6.4	36.2	24.5	7.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	17	5.9	11.3	*	17.6	19.7	*	23.5	25.9	*
TRANSIENT CEREBRAL ISCHEMIA.....	29	3.4	1.7	*	3.4	3.8	*	10.3	5.9	*
STROKE.....	89	25.8	19.4	7.2	33.7	25.6	7.9	37.1	30.1	9.2
HIP FRACTURE.....	86	5.8	5.8	2.5	8.1	10.1	3.6	10.5	13.0	4.8
SEPSIS.....	27	25.9	26.1	*	29.6	35.1	*	29.6	41.5	*
PROCEDURES:										
ANGIOPLASTY.....	24	8.3	1.3	*	8.3	1.9	*	8.3	2.7	*
CORONARY ARTERY BYPASS GRAFT.....	55	1.8	5.0	4.1	1.8	7.1	5.0	1.8	8.5	5.5
INITIAL PACEMAKER INSERTION.....	23	8.7	4.1	*	13.0	7.7	*	13.0	10.8	*
CAROTIO ENDARTERECTOMY.....	3	0.0	1.4	*	0.0	2.9	*	0.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	57	1.8	3.8	3.9	1.8	6.8	5.6	5.3	8.8	5.5
OPEN REDUCTION OF HIP FRACTURE.....	33	9.1	5.2	*	15.2	9.4	*	18.2	12.1	*
PROSTATECTOMY.....	71	1.4	0.9	1.4	2.8	2.1	2.0	4.2	3.6	2.4
CHOLECYSTECTOMY.....	85	2.4	3.3	2.1	5.9	6.1	3.0	5.9	8.1	3.5
HYSTERECTOMY.....	22	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 8,611										
	ADMISSION						MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.04	29.30	0.58	0.82	0.02		4.92	4.87	0.24	1.03	0.05
CONDIIONS:											
ACUTE MYOCARDOIAL INFARCTION.....	0.85	0.88	0.10	0.96	0.11						
CONGESTIVE HEART FAILURE.....	1.47	1.82	0.14	0.81	0.06						
PNEUMONIA/INFLUENZA.....	1.02	1.23	0.12	0.83	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.27	0.49	0.07	0.56	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.30	0.44	0.07	0.69	0.11						
STROKE.....	0.82	1.02	0.11	0.81	0.09						
HIP FRACTURE.....	0.66	0.60	0.08	1.11	0.15						
SEPSIS.....	0.42	0.40	0.07	1.06	0.18						
PROCEDURES:											
ANGIOPLASTY.....	0.34	0.24	0.05	1.40	0.31						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.36	0.06	1.04	0.19						
INITIAL PACEMAKER INSERTION.....	0.17	0.20	0.05	0.88	0.21						
CAROTIO ENOARTERECTOMY.....	0.05	0.12	0.04	1.00	0.31						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.39	0.07	1.06	0.18						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.31	0.06	0.88	0.17						
PROSTATECTOMY.....	0.63	0.76	0.09	0.82	0.10						
CHOLECYSTECTOMY.....	0.63	0.43	0.07	1.46	0.24						
HYSTERECTOMY.....	0.22	0.17	0.04	1.33	0.35						

** QUANTITIES COULD NOT BE ESTIMATED

CORPUS CHRISTI, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	10,051	8.3	8.1	0.3	12.6	12.7	0.3	15.9	16.3	0.4
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	259	25.1	24.3	2.8	29.7	27.4	3.4	32.8	30.9	3.7
CONGESTIVE HEART FAILURE.....	493	16.2	13.8	2.3	22.7	21.9	2.2	30.2	28.7	2.3
PNEUMONIA/INFLUENZA.....	315	18.7	15.0	3.7	24.4	20.7	3.7	28.9	25.2	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	158	7.6	7.5	3.1	15.2	13.0	3.7	19.0	17.9	3.2
TRANSIENT CEREBRAL ISCHEMIA.....	126	0.8	1.7	2.2	3.2	3.8	2.0	5.6	6.2	2.2
STROKE.....	317	17.0	19.2	3.4	22.7	25.6	4.7	27.4	30.1	4.0
HIP FRACTURE.....	229	4.8	5.6	1.8	10.5	10.1	2.0	14.4	13.3	3.4
SEPSIS.....	104	24.0	25.7	5.7	34.6	33.4	4.8	40.4	39.4	5.2
PROCEDURES:										
ANGIOPLASTY.....	118	1.7	2.8	1.8	2.5	3.7	2.7	7.6	4.8	2.5
CORONARY ARTERY BYPASS GRAFT.....	184	6.5	5.4	2.0	10.3	7.6	3.3	11.4	9.1	4.0
INITIAL PACEMAKER INSERTION.....	71	0.0	3.0	*	1.4	6.1	*	1.4	9.1	*
CAROTID ENDOARTERECTOMY.....	85	1.2	1.6	1.4	3.5	3.0	2.6	3.5	4.4	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	121	3.3	3.2	1.8	6.6	5.9	2.8	9.1	7.9	3.3
OPEN REDUCTION OF HIP FRACTURE.....	133	3.0	5.2	2.9	9.0	9.9	3.4	12.0	13.2	3.1
PROSTATECTOMY.....	401	1.7	1.1	0.8	3.5	2.7	1.4	5.7	4.5	2.1
CHOLECYSTECTOMY.....	276	3.3	2.9	1.3	4.3	5.1	1.9	5.4	6.6	2.3
HYSTERECTOMY.....	92	0.0	0.7	1.1	0.0	1.4	2.0	1.1	2.1	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 39,513					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SO,%	REL	SE	OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	31.40	29.10	0.27	1.08	0.01	4.55	4.42	0.11	1.03	0.02
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.76	0.96	0.05	0.78	0.04					
CONGESTIVE HEART FAILURE.....	1.90	1.73	0.07	1.11	0.04					
PNEUMONIA/INFLUENZA.....	1.07	1.37	0.06	0.78	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.61	0.61	0.04	1.02	0.07					
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.46	0.03	0.78	0.06					
STROKE.....	1.01	0.94	0.05	1.09	0.06					
HIP FRACTURE.....	0.60	0.55	0.04	1.08	0.07					
SEPSIS.....	0.39	0.33	0.03	1.15	0.11					
PROCEDURES:										
ANGIOPLASTY.....	0.36	0.25	0.03	1.43	0.15					
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.37	0.03	1.10	0.09					
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.02	1.09	0.14					
CAROTID ENDOARTERECTOMY.....	0.18	0.13	0.02	1.00	0.16					
HIP REPLACEMENT/RECONSTRUCTION.....	0.30	0.40	0.03	0.77	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.27	0.03	1.21	0.12					
PROSTATECTOMY.....	0.89	0.77	0.04	1.15	0.07					
CHOLECYSTECTOMY.....	0.67	0.50	0.04	1.33	0.10					
HYSTERECTOMY.....	0.24	0.18	0.02	1.37	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

DALLAS, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	43,832	9.4	8.8	0.2	14.1	13.5	0.2	17.8	17.2	0.2
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,405	25.7	24.7	1.3	30.0	28.1	1.6	32.6	31.6	1.4
CONGESTIVE HEART FAILURE.....	2,084	14.6	14.0	0.9	22.5	21.9	1.0	27.6	28.6	1.2
PNEUMONIA/INFLUENZA.....	1,840	17.1	15.3	1.2	23.4	21.1	1.2	28.3	25.7	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	502	5.8	6.9	1.3	12.7	12.2	1.5	18.9	16.9	2.2
TRANSIENT CEREBRAL ISCHEMIA.....	473	1.5	1.7	0.6	3.2	3.8	1.0	5.9	6.1	1.2
STROKE.....	1,480	22.9	19.0	1.4	29.6	25.5	1.6	34.1	29.9	1.7
HIP FRACTURE.....	1,327	6.7	5.7	1.1	11.9	10.5	1.4	14.8	13.9	1.3
SEPSIS.....	595	29.9	26.4	2.2	40.7	34.6	2.9	47.4	41.0	3.0
PROCEDURE:										
ANGIOPLASTY.....	533	2.8	2.7	0.7	4.1	3.7	0.9	5.3	4.8	1.0
CORONARY ARTERY BYPASS GRAFT.....	714	5.3	5.7	1.0	7.4	8.0	1.2	9.5	9.5	1.1
INITIAL PACEMAKER INSERTION.....	349	4.0	3.4	1.2	6.0	6.4	1.6	10.0	9.2	1.9
CAROTIO ENOARTERECTOMY.....	320	1.9	1.7	0.8	2.2	3.2	1.1	2.8	4.7	1.6
HIP REPLACEMENT/RECONSTRUCTION.....	986	3.5	3.2	0.8	6.9	6.3	1.1	8.8	8.6	0.9
OPEN REDUCTION OF HIP FRACTURE.....	625	6.7	5.3	1.5	10.4	10.1	1.4	13.0	13.4	1.4
PROSTATECTOMY.....	1,453	1.2	1.3	0.4	2.1	2.9	0.5	3.5	4.7	0.8
CHOLECYSTECTOMY.....	961	2.4	3.2	0.7	4.3	5.7	1.0	6.3	7.4	1.0
HYSTERECTOMY.....	393	0.5	1.1	0.6	1.5	2.2	1.0	2.0	3.2	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 217,722					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.31	28.07	0.11	0.97	0.00	4.78	4.70	0.05	1.02	0.01
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.89	0.83	0.02	1.06	0.02					
CONGESTIVE HEART FAILURE.....	1.59	1.74	0.03	0.92	0.01					
PNEUMONIA/INFLUENZA.....	1.19	1.08	0.02	1.10	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.37	0.45	0.01	0.81	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.40	0.01	0.69	0.02					
STROKE.....	0.90	0.96	0.02	0.93	0.02					
HIP FRACTURE.....	0.73	0.59	0.02	1.25	0.03					
SEPSIS.....	0.41	0.37	0.01	1.10	0.04					
PROCEDURE:										
ANGIOPLASTY.....	0.28	0.24	0.01	1.14	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.34	0.01	0.97	0.04					
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	1.04	0.05					
CAROTIO ENOARTERECTOMY.....	0.15	0.12	0.01	1.00	0.06					
HIP REPLACEMENT/RECONSTRUCTION.....	0.48	0.39	0.01	1.23	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.29	0.01	1.20	0.05					
PROSTATECTOMY.....	0.75	0.71	0.02	1.06	0.03					
CHOLECYSTECTOMY.....	0.50	0.40	0.01	1.24	0.04					
HYSTERECTOMY.....	0.17	0.16	0.01	1.08	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

EL PASO, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	9,686	8.6	8.1	0.4	13.3	12.6	0.5	16.8	16.1	0.5
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	246	29.3	25.9	6.2	33.3	28.9	5.9	35.4	32.0	5.3
CONGESTIVE HEART FAILURE.....	424	16.7	13.9	2.4	23.8	21.7	2.5	31.4	28.2	3.0
PNEUMONIA/INFLUENZA.....	467	17.3	16.0	1.8	22.9	21.9	2.0	28.1	26.6	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	123	8.9	8.5	2.9	14.6	13.9	3.3	19.5	18.7	3.7
TRANSIENT CEREBRAL ISCHEMIA.....	139	4.3	1.6	2.0	7.2	3.7	3.0	11.5	5.8	3.2
STROKE.....	309	23.3	21.3	3.3	28.8	27.7	3.2	33.0	32.2	3.4
HIP FRACTURE.....	220	2.7	6.5	3.8	11.4	11.6	2.7	12.7	15.0	3.7
SEPSIS.....	81	28.4	23.4	6.4	35.8	31.1	9.6	44.4	37.2	10.0
PROCEDURES:										
ANGIOPLASTY.....	112	9.8	4.0	3.3	9.8	5.0	3.3	9.8	6.2	3.6
CORONARY ARTERY BYPASS GRAFT.....	186	12.4	5.8	3.7	13.4	8.0	3.6	13.4	9.3	3.0
INITIAL PACEMAKER INSERTION.....	59	5.1	5.2	3.1	8.5	8.7	3.7	13.6	11.6	4.8
CAROTID ENDOARTERECTOMY.....	25	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	131	0.8	3.1	2.1	6.1	6.2	2.9	7.6	8.5	2.5
OPEN REDUCTION OF HIP FRACTURE.....	126	2.4	6.2	3.7	9.5	11.6	5.0	10.3	15.2	5.5
PROSTATECTOMY.....	376	0.3	1.0	0.8	1.9	2.4	0.9	3.5	4.0	1.1
CHOLECYSTECTOMY.....	235	1.3	2.9	1.9	4.3	5.2	2.5	5.5	6.9	2.4
HYSTERECTOMY.....	85	1.2	0.6	1.0	1.2	1.3	1.2	1.2	1.9	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 52,629						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	25.99	32.03	0.25	0.81	0.01		4.11	4.36	0.09	0.94	0.02
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.55	1.14	0.05	0.49	0.02						
CONGESTIVE HEART FAILURE.....	1.41	1.94	0.06	0.73	0.02						
PNEUMONIA/INFLUENZA.....	1.25	1.60	0.05	0.78	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.37	0.77	0.04	0.48	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.52	0.03	0.69	0.04						
STROKE.....	0.77	1.02	0.04	0.75	0.03						
HIP FRACTURE.....	0.53	0.55	0.03	0.97	0.06						
SEPSIS.....	0.30	0.33	0.02	0.91	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.26	0.02	0.88	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.39	0.03	0.85	0.06						
INITIAL PACEMAKER INSERTION.....	0.14	0.20	0.02	0.71	0.07						
CAROTID ENDOARTERECTOMY.....	0.04	0.17	0.02	1.00	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.29	0.40	0.03	0.70	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.27	0.02	1.15	0.10						
PROSTATECTOMY.....	0.80	0.82	0.04	0.97	0.05						
CHOLECYSTECTOMY.....	0.49	0.61	0.03	0.81	0.04						
HYSTERECTOMY.....	0.19	0.19	0.02	0.97	0.10						

** QUANTITIES COULD NOT BE ESTIMATED

FORT WORTH-ARLINGTON, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	23,837	9.8	8.7	0.3	14.8	13.4	0.4	18.6	17.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	807	29.2	23.7	2.0	32.7	26.9	2.2	37.2	30.2	2.3
CONGESTIVE HEART FAILURE.....	1,159	15.6	13.4	1.6	24.7	20.9	2.0	30.6	27.3	2.0
PNEUMONIA/INFLUENZA.....	1,013	16.4	15.1	1.5	24.1	20.8	1.6	30.3	25.3	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	364	11.0	7.6	2.0	17.3	13.2	2.5	22.5	18.1	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	258	2.3	1.8	1.8	4.7	4.0	2.5	8.1	6.4	2.8
STROKE.....	830	23.0	19.7	2.6	31.1	26.2	2.2	34.6	30.6	2.2
HIP FRACTURE.....	800	7.7	5.8	1.5	13.4	10.5	1.6	16.2	13.8	1.7
SEPSIS.....	300	28.0	24.1	4.5	38.0	31.8	4.8	43.3	37.8	4.5
PROCEDURES:										
ANGIOPLASTY.....	122	0.8	2.3	2.0	1.6	3.0	2.0	2.5	3.9	2.3
CORONARY ARTERY BYPASS GRAFT.....	257	6.6	5.5	1.7	8.9	7.7	2.0	10.5	9.2	2.3
INITIAL PACEMAKER INSERTION.....	168	4.2	3.6	1.6	6.5	6.5	1.9	8.3	9.2	2.6
CAROTID ENDARTERECTOMY.....	182	1.6	1.7	1.2	3.8	3.4	1.4	4.9	5.0	1.6
HIP REPLACEMENT/RECONSTRUCTION.....	545	6.1	3.6	1.6	8.8	7.0	1.9	11.6	9.5	2.1
OPEN REDUCTION OF HIP FRACTURE.....	400	5.7	5.2	2.6	12.5	9.8	3.4	14.7	12.9	3.2
PROSTATECTOMY.....	897	2.1	1.3	0.6	3.1	3.0	1.0	5.9	5.0	1.0
CHOLECYSTECTOMY.....	596	3.5	3.2	0.9	5.9	5.6	1.0	7.6	7.3	1.3
HYSTERECTOMY.....	210	0.0	0.9	0.8	0.0	1.9	1.5	1.4	2.8	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 125,008						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.35	27.96	0.15	0.94	0.00		4.93	4.61	0.06	1.07	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.90	0.86	0.03	1.05	0.03						
CONGESTIVE HEART FAILURE.....	1.53	1.71	0.04	0.89	0.02						
PNEUMONIA/INFLUENZA.....	1.12	1.12	0.03	**	**						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.48	0.02	0.96	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.41	0.02	0.66	0.03						
STROKE.....	0.85	0.93	0.03	0.91	0.03						
HIP FRACTURE.....	0.75	0.58	0.02	1.30	0.05						
SEPSIS.....	0.34	0.35	0.02	0.98	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.25	0.01	0.69	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.35	0.02	0.82	0.04						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.01	0.87	0.06						
CAROTID ENDARTERECTOMY.....	0.16	0.13	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.48	0.40	0.02	1.22	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.37	0.29	0.01	1.29	0.07						
PROSTATECTOMY.....	0.80	0.73	0.02	1.09	0.04						
CHOLECYSTECTOMY.....	0.54	0.42	0.02	1.28	0.06						
HYSTERECTOMY.....	0.18	0.17	0.01	1.10	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

GALVESTON-TEXAS CITY, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	4,227	9.2	8.6	0.5	14.2	13.2	0.7	18.1	16.9	0.9
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	114	33.3	25.4	6.0	37.7	28.5	6.5	38.6	31.9	6.1
CONGESTIVE HEART FAILURE.....	205	14.1	13.1	2.5	24.9	20.8	4.9	31.2	27.3	5.2
PNEUMONIA/INFLUENZA.....	155	18.1	13.7	5.1	25.2	19.0	6.8	29.0	23.3	7.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	48	6.3	6.4	*	10.4	10.8	*	16.7	14.9	*
TRANSIENT CEREBRAL ISCHEMIA.....	52	1.9	1.7	2.5	5.8	3.8	3.6	7.7	6.2	3.8
STROKE.....	175	21.1	19.1	3.1	31.4	25.1	4.0	38.9	29.4	4.8
HIP FRACTURE.....	81	6.2	5.5	2.7	9.9	9.9	4.0	17.3	13.1	4.7
SEPSIS.....	79	34.2	25.7	7.3	40.5	33.2	7.5	46.8	39.4	8.3
PROCEDURES:										
ANGIOPLASTY.....	5	0.0	2.3	*	20.0	3.2	*	20.0	4.2	*
CORONARY ARTERY BYPASS GRAFT.....	34	0.0	4.7	*	0.0	6.5	*	0.0	7.8	*
INITIAL PACEMAKER INSERTION.....	32	3.1	2.9	*	9.4	5.9	*	15.6	8.9	*
CAROTID ENDARTERECTOMY.....	11	0.0	1.5	*	0.0	2.6	*	0.0	3.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	64	0.0	2.5	3.6	3.1	4.7	5.2	6.3	6.4	6.5
OPEN REDUCTION OF HIP FRACTURE.....	55	7.3	4.8	3.8	9.1	9.0	4.4	14.5	12.0	5.3
PROSTATECTOMY.....	155	0.0	1.0	1.1	0.6	2.3	2.0	5.2	3.8	1.9
CHOLECYSTECTOMY.....	85	3.5	3.0	2.0	3.5	5.2	2.7	3.5	6.8	3.4
HYSTERECTOMY.....	37	0.0	0.5	*	0.0	1.1	*	2.7	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 25,248						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	29.50	28.36	0.33	1.04	0.01		4.82	4.50	0.13	1.07	0.03
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.82	0.85	0.06	0.99	0.07						
CONGESTIVE HEART FAILURE.....	1.68	1.76	0.08	0.96	0.05						
PNEUMONIA/INFLUENZA.....	1.07	1.10	0.07	0.97	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.49	0.04	0.85	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.34	0.42	0.04	0.88	0.09						
STROKE.....	1.14	0.98	0.06	1.16	0.07						
HIP FRACTURE.....	0.53	0.51	0.04	1.03	0.09						
SEPSIS.....	0.55	0.38	0.04	1.46	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.22	0.26	0.03	0.84	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.37	0.04	**	**						
INITIAL PACEMAKER INSERTION.....	0.25	0.19	0.03	1.38	0.22						
CAROTID ENDARTERECTOMY.....	0.13	0.12	0.02	1.00	0.21						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.36	0.04	1.04	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.26	0.03	1.13	0.15						
PROSTATECTOMY.....	0.91	0.79	0.06	1.16	0.08						
CHOLECYSTECTOMY.....	0.50	0.42	0.04	1.22	0.12						
HYSTERECTOMY.....	0.15	0.16	0.02	0.96	0.17						

** QUANTITIES COULD NOT BE ESTIMATED

HOUSTON, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	57,378	8.9	8.5	0.2	14.0	13.4	0.3	17.5	17.2	0.2
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,278	27.5	24.1	1.6	31.2	27.2	1.7	33.6	30.6	1.7
CONGESTIVE HEART FAILURE.....	2,629	14.6	13.9	1.4	23.7	21.8	1.3	29.4	28.5	1.1
PNEUMONIA/INFLUENZA.....	2,103	16.7	15.3	1.4	23.5	21.1	1.4	28.1	25.7	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	858	7.1	7.9	1.4	13.2	13.7	1.8	17.4	18.8	2.7
TRANSIENT CEREBRAL ISCHEMIA.....	873	2.1	1.7	0.5	3.3	3.8	0.9	6.1	6.1	0.9
STROKE.....	1,987	18.4	19.3	1.4	25.7	25.8	1.2	29.8	30.2	1.1
HIP FRACTURE.....	1,212	5.7	5.8	0.7	10.2	10.6	0.9	13.5	13.8	1.1
SEPSIS.....	699	28.8	27.2	2.8	38.9	35.8	3.5	43.3	42.3	2.9
PROCEURES:										
ANGIOPLASTY.....	744	1.6	2.1	0.7	2.7	3.0	0.7	4.3	4.1	0.7
CORONARY ARTERY BYPASS GRAFT.....	1,071	7.7	5.2	1.1	10.6	7.3	1.4	11.9	8.8	1.4
INITIAL PACEMAKER INSERTION.....	528	2.5	3.0	1.0	5.1	6.0	1.2	8.9	8.8	1.3
CAROTIO ENOARTERECTOMY.....	355	0.3	1.6	0.9	0.8	3.1	1.4	2.3	4.6	1.6
HIP REPLACEMENT/RECONSTRUCTION.....	929	2.9	3.0	1.0	6.5	5.8	1.1	8.2	8.0	1.5
OPEN REDUCTION OF HIP FRACTURE.....	623	5.0	5.3	1.0	9.5	10.0	1.3	13.0	13.3	1.4
PROSTATECTOMY.....	1,883	0.7	1.1	0.3	2.1	2.6	0.4	4.2	4.3	0.5
CHOLECYSTECTOMY.....	1,087	3.6	3.1	0.7	6.1	5.5	0.9	7.5	7.2	0.9
HYSTERECTOMY.....	419	0.2	0.7	0.6	1.0	1.4	0.8	1.7	2.1	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 253,334									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.98	27.62	0.10	1.09	0.00	4.77	4.60	0.04	1.04	0.01
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.68	0.78	0.02	0.88	0.02					
CONGESTIVE HEART FAILURE.....	1.80	1.68	0.03	1.07	0.02					
PNEUMONIA/INFLUENZA.....	1.21	1.02	0.02	1.19	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.57	0.44	0.01	1.28	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.42	0.40	0.01	1.06	0.03					
STROKE.....	0.99	0.94	0.02	1.05	0.02					
HIP FRACTURE.....	0.62	0.54	0.01	1.15	0.03					
SEPSIS.....	0.45	0.39	0.01	1.15	0.04					
PROCEURES:										
ANGIOPLASTY.....	0.29	0.26	0.01	1.10	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.35	0.01	1.01	0.03					
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.01	1.19	0.06					
CAROTIO ENOARTERECTOMY.....	0.14	0.12	0.01	1.00	0.06					
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.37	0.01	1.13	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.27	0.01	1.13	0.04					
PROSTATECTOMY.....	0.82	0.73	0.02	1.12	0.03					
CHOLECYSTECTOMY.....	0.46	0.38	0.01	1.20	0.04					
HYSTERECTOMY.....	0.16	0.15	0.01	1.07	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

KILLEEN-TEMPLE, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,621	8.9	8.3	0.6	13.2	13.1	0.6	16.5	16.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	170	30.0	22.9	4.6	34.7	26.4	4.6	37.1	29.8	4.9
CONGESTIVE HEART FAILURE.....	243	14.8	14.0	2.7	24.7	22.2	3.9	32.9	29.1	6.0
PNEUMONIA/INFLUENZA.....	234	13.2	15.2	2.8	18.4	20.7	3.1	20.9	25.2	4.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	65	4.6	8.8	4.3	12.3	16.0	5.8	20.0	22.0	6.1
TRANSIENT CEREBRAL ISCHEMIA.....	88	1.1	1.7	1.6	5.7	3.9	2.4	10.2	6.2	4.0
STROKE.....	169	24.9	17.1	4.7	30.8	23.8	4.7	33.1	28.3	4.3
HIP FRACTURE.....	128	8.6	6.3	3.2	11.7	11.6	3.1	14.8	15.4	3.2
SEPSIS.....	48	37.5	25.6	*	47.9	34.1	*	50.0	41.1	*
PROCEDURES:										
ANGIOPLASTY.....	88	10.2	3.5	3.5	12.5	4.5	4.1	13.6	5.7	4.5
CORONARY ARTERY BYPASS GRAFT.....	97	12.4	5.3	4.1	13.4	7.4	3.8	14.4	9.0	3.7
INITIAL PACEMAKER INSERTION.....	53	9.4	3.4	6.0	9.4	6.7	5.3	11.3	9.7	4.7
CAROTID ENDARTERECTOMY.....	29	0.0	1.5	*	0.0	2.7	*	6.9	4.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	103	1.9	3.0	2.4	2.9	5.9	4.3	4.9	8.2	5.1
OPEN REDUCTION OF HIP FRACTURE.....	58	10.3	5.8	6.6	15.5	11.1	6.9	19.0	15.0	6.1
PROSTATECTOMY.....	263	0.4	1.1	0.8	0.4	2.6	1.5	1.5	4.3	2.0
CHOLECYSTECTOMY.....	154	3.2	3.0	1.9	3.9	5.5	2.7	5.8	7.3	2.8
HYSTERECTOMY.....	56	1.8	0.9	1.7	1.8	1.8	2.0	1.8	2.6	2.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 21,879						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.67	29.65	0.37	0.87	0.01		4.79	4.74	0.15	1.01	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.98	0.96	0.07	1.01	0.07						
CONGESTIVE HEART FAILURE.....	1.61	1.84	0.09	0.87	0.04						
PNEUMONIA/INFLUENZA.....	1.47	1.36	0.08	1.08	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.56	0.05	0.83	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.45	0.05	1.01	0.11						
STROKE.....	0.81	0.98	0.07	0.83	0.06						
HIP FRACTURE.....	0.64	0.61	0.05	1.08	0.10						
SEPSIS.....	0.31	0.35	0.04	0.93	0.11						
PROCEDURES:											
ANGIOPLASTY.....	0.33	0.24	0.03	1.37	0.20						
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.36	0.04	1.13	0.13						
INITIAL PACEMAKER INSERTION.....	0.23	0.20	0.03	1.31	0.22						
CAROTID ENDARTERECTOMY.....	0.10	0.12	0.02	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.42	0.04	0.86	0.09						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.30	0.04	1.06	0.14						
PROSTATECTOMY.....	0.65	0.78	0.06	0.84	0.07						
CHOLECYSTECTOMY.....	0.59	0.48	0.05	1.18	0.12						
HYSTERECTOMY.....	0.11	0.17	0.03	0.61	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

LAREDO, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,432	10.4	9.6	0.8	14.8	14.7	0.7	18.0	18.8	0.9
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	75	41.3	22.9	7.0	41.3	26.3	6.6	42.7	29.6	6.3
CONGESTIVE HEART FAILURE.....	184	18.5	14.7	4.3	25.5	23.0	4.0	30.4	30.1	3.4
PNEUMONIA/INFLUENZA.....	171	22.2	17.8	4.9	26.9	24.6	4.3	30.4	29.7	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	32	9.4	9.3	*	15.6	15.6	*	18.8	21.1	*
TRANSIENT CEREBRAL ISCHEMIA.....	45	2.2	1.7	*	2.2	3.7	*	6.7	5.9	*
STROKE.....	81	17.3	21.3	5.4	24.7	28.1	6.2	25.9	32.7	8.4
HIP FRACTURE.....	44	2.3	5.7	*	6.8	10.6	*	9.1	14.0	*
SEPSIS.....	36	25.0	28.0	*	33.3	35.5	*	36.1	41.7	*
PROCEEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	17	5.9	2.3	*	5.9	4.4	*	5.9	6.6	*
CAROTID ENOARTERECTOMY.....	8	0.0	2.0	*	0.0	4.0	*	0.0	5.9	*
HIP REPLACEMENT/RECONSTRUCTION.....	11	0.0	3.6	*	0.0	7.3	*	0.0	10.2	*
OPEN REDUCTION OF HIP FRACTURE.....	33	3.0	5.3	*	9.1	10.2	*	12.1	13.8	*
PROSTATECTOMY.....	71	0.0	1.3	1.9	4.2	3.0	2.5	4.2	4.9	2.7
CHOLECYSTECTOMY.....	89	1.1	3.1	2.5	4.5	5.5	2.7	9.0	7.0	3.5
HYSTERECTOMY.....	21	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 11,961						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.33	31.70	0.51	0.96	0.02		4.36	4.61	0.20	0.95	0.04
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.70	1.13	0.10	0.62	0.05						
CONGESTIVE HEART FAILURE.....	2.71	1.91	0.13	1.42	0.09						
PNEUMONIA/INFLUENZA.....	2.11	1.70	0.12	1.24	0.09						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.73	0.08	0.60	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.49	0.51	0.07	0.98	0.13						
STROKE.....	0.82	1.01	0.09	0.83	0.08						
HIP FRACTURE.....	0.48	0.61	0.07	0.75	0.09						
SEPSIS.....	0.54	0.33	0.05	1.70	0.28						
PROCEEDURES:											
ANGIOPLASTY.....	0.21	0.25	0.05	0.81	0.15						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.37	0.06	0.81	0.12						
INITIAL PACEMAKER INSERTION.....	0.15	0.20	0.04	0.75	0.16						
CAROTID ENOARTERECTOMY.....	0.08	0.15	0.04	1.00	0.25						
HIP REPLACEMENT/RECONSTRUCTION.....	0.13	0.44	0.06	0.30	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.36	0.29	0.05	1.15	0.20						
PROSTATECTOMY.....	0.62	0.81	0.08	0.77	0.08						
CHOLECYSTECTOMY.....	0.84	0.59	0.07	1.44	0.17						
HYSTERECTOMY.....	0.17	0.19	0.04	0.99	0.21						

** QUANTITIES COULD NOT BE ESTIMATED

LONGVIEW-MARSHALL, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,018	10.3	8.9	0.6	15.0	13.9	0.6	18.9	17.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	173	26.6	23.3	4.1	31.2	26.5	4.3	34.1	29.8	4.8
CONGESTIVE HEART FAILURE.....	218	17.0	14.9	3.2	25.7	23.4	3.6	31.2	30.3	3.2
PNEUMONIA/INFLUENZA.....	204	18.1	16.8	4.0	24.5	22.8	3.5	29.4	27.5	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	80	6.3	7.6	3.3	10.0	12.9	4.9	13.7	17.7	7.6
TRANSIENT CEREBRAL ISCHEMIA.....	90	3.3	1.9	2.2	5.6	4.5	3.2	10.0	7.2	4.6
STROKE.....	195	30.3	18.8	4.1	33.8	25.6	3.9	37.9	30.2	3.9
HIP FRACTURE.....	180	5.6	5.1	1.7	8.9	9.5	2.5	10.0	12.5	4.0
SEPSIS.....	66	22.7	27.1	6.2	33.3	35.1	7.0	48.5	41.7	8.1
PROCEDURES:										
ANGIOPLASTY.....	29	0.0	2.4	*	0.0	3.2	*	3.4	4.3	*
CORONARY ARTERY BYPASS GRAFT.....	74	6.8	6.0	3.2	8.1	8.3	3.3	10.8	10.0	3.6
INITIAL PACEMAKER INSERTION.....	36	11.1	6.1	*	11.1	10.3	*	16.7	13.7	*
CAROTID ENDARTERECTOMY.....	31	6.5	1.9	*	6.5	3.7	*	9.7	5.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	103	1.9	3.3	2.5	2.9	6.4	3.6	3.9	8.7	4.0
OPEN REDUCTION OF HIP FRACTURE.....	94	5.3	4.6	2.9	9.6	8.8	3.3	11.7	11.7	3.3
PROSTATECTOMY.....	140	1.4	1.2	0.9	3.6	2.7	1.8	6.4	4.5	3.1
CHOLECYSTECTOMY.....	113	2.7	3.4	2.6	3.5	5.9	3.3	4.4	7.7	3.4
HYSTERECTOMY.....	35	0.0	0.8	*	0.0	1.5	*	0.0	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 25,444									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.81	30.70	0.35	0.97	0.01	4.91	4.98	0.14	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.96	0.90	0.06	1.08	0.07					
CONGESTIVE HEART FAILURE.....	1.80	1.92	0.09	0.93	0.04					
PNEUMONIA/INFLUENZA.....	1.19	1.30	0.07	0.92	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.51	0.05	1.06	0.09					
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.47	0.04	0.98	0.09					
STROKE.....	1.05	1.07	0.06	0.97	0.06					
HIP FRACTURE.....	0.68	0.60	0.05	1.13	0.09					
SEPSIS.....	0.39	0.42	0.04	0.91	0.09					
PROCEDURES:										
ANGIOPLASTY.....	0.25	0.23	0.03	1.10	0.15					
CORONARY ARTERY BYPASS GRAFT.....	0.45	0.35	0.04	1.37	0.15					
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.03	1.08	0.16					
CAROTID ENDARTERECTOMY.....	0.22	0.12	0.02	1.00	0.20					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.39	0.04	1.15	0.12					
OPEN REDUCTION OF HIP FRACTURE.....	0.35	0.30	0.03	1.25	0.15					
PROSTATECTOMY.....	0.69	0.76	0.05	0.89	0.06					
CHOLECYSTECTOMY.....	0.50	0.44	0.04	1.13	0.11					
HYSTERECTOMY.....	0.17	0.16	0.02	1.02	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

LUBBOCK, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,782	7.5	7.9	0.4	11.7	12.3	0.5	14.9	15.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	260	29.2	26.3	4.9	31.2	29.2	4.6	33.5	32.4	3.8
CONGESTIVE HEART FAILURE.....	443	14.4	13.2	2.6	24.2	20.9	4.1	30.7	27.4	5.1
PNEUMONIA/INFLUENZA.....	278	12.9	15.0	3.1	20.9	20.8	2.5	25.5	25.4	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	106	11.3	7.7	4.3	17.9	13.9	4.5	21.7	19.5	4.3
TRANSIENT CEREBRAL ISCHEMIA.....	182	2.7	2.0	1.2	4.4	4.3	1.6	6.6	6.7	1.9
STROKE.....	283	14.8	18.1	3.6	20.5	24.3	3.7	27.6	28.7	2.9
HIP FRACTURE.....	291	4.5	6.1	2.0	10.3	11.0	2.9	14.1	14.4	2.1
SEPSIS.....	83	41.0	34.7	8.1	51.8	43.3	10.3	57.8	50.2	11.0
PROCEDURES:										
ANGIOPLASTY.....	241	6.2	4.4	1.8	7.9	5.4	2.2	10.0	6.7	3.0
CORONARY ARTERY BYPASS GRAFT.....	211	11.4	5.5	2.5	13.7	7.8	2.8	14.7	9.4	3.1
INITIAL PACEMAKER INSERTION.....	89	2.2	2.9	2.0	5.6	5.8	4.2	5.6	8.3	4.6
CAROTID ENDOARTERECTOMY.....	73	4.1	2.2	3.8	6.8	4.2	4.3	8.2	6.1	3.9
HIP REPLACEMENT/RECONSTRUCTION.....	286	2.4	3.1	1.3	4.2	5.9	2.4	6.6	7.9	2.1
OPEN REDUCTION OF HIP FRACTURE.....	125	3.2	5.7	3.0	8.0	10.7	4.4	12.8	14.2	3.7
PROSTATECTOMY.....	288	0.7	1.4	1.0	2.1	3.3	1.4	4.5	5.5	1.9
CHOLECYSTECTOMY.....	288	3.1	3.3	1.4	6.6	6.1	1.6	8.7	8.2	1.8
HYSTERECTOMY.....	94	0.0	0.9	*	0.0	2.0	*	1.1	3.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 24,184						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.39	28.10	0.34	1.22	0.01		4.44	4.49	0.14	0.99	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.74	0.89	0.06	0.82	0.06						
CONGESTIVE HEART FAILURE.....	2.07	1.67	0.08	1.23	0.06						
PNEUMONIA/INFLUENZA.....	1.30	1.22	0.07	1.07	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.52	0.05	1.20	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.62	0.41	0.04	1.47	0.15						
STROKE.....	1.03	0.92	0.06	1.11	0.07						
HIP FRACTURE.....	0.72	0.57	0.05	1.27	0.11						
SEPSIS.....	0.40	0.33	0.04	1.28	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.55	0.23	0.03	2.22	0.32						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.35	0.04	1.22	0.14						
INITIAL PACEMAKER INSERTION.....	0.26	0.19	0.03	1.31	0.22						
CAROTID ENDOARTERECTOMY.....	0.17	0.12	0.02	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.60	0.40	0.04	1.47	0.15						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.28	0.03	1.10	0.14						
PROSTATECTOMY.....	0.79	0.75	0.06	1.02	0.08						
CHOLECYSTECTOMY.....	0.77	0.45	0.04	1.69	0.17						
HYSTERECTOMY.....	0.20	0.17	0.03	1.06	0.19						

** QUANTITIES COULD NOT BE ESTIMATED

MCALLEN-EOINBURG-MISSION, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OS	PREO	SO	OS	PREO	SO	OS	PREO	SO
ALL CAUSES.....	6,881	9.7	9.1	0.5	13.8	13.8	0.4	16.9	17.5	0.5
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	192	29.2	24.7	6.9	33.3	27.8	7.2	34.4	31.2	6.7
CONGESTIVE HEART FAILURE.....	306	14.4	13.9	2.2	20.9	21.6	2.6	26.8	28.3	3.9
PNEUMONIA/INFLUENZA.....	410	17.6	15.4	3.4	23.4	21.3	4.3	29.0	26.1	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	80	6.2	9.2	4.9	12.5	15.0	6.6	13.7	20.1	8.0
TRANSIENT CEREBRAL ISCHEMIA.....	91	3.3	1.9	2.2	6.6	4.2	2.9	8.8	6.8	3.3
STROKE.....	273	22.7	20.1	3.9	27.8	26.2	3.3	31.5	30.5	3.6
HIP FRACTURE.....	165	3.6	5.1	2.0	7.3	9.5	3.2	8.5	12.6	4.2
SEPSIS.....	130	22.3	23.2	3.8	30.8	30.6	4.1	36.9	36.4	4.2
PROCEEDURES:										
ANGIOPLASTY.....	158	12.0	4.6	2.8	14.6	5.8	3.2	15.2	7.1	3.3
CORONARY ARTERY BYPASS GRAFT.....	152	6.6	4.9	2.3	11.8	6.8	3.4	11.8	8.1	3.4
INITIAL PACEMAKER INSERTION.....	49	0.0	4.9	*	8.2	8.7	*	12.2	12.0	*
CAROTID ENOARTERECTOMY.....	27	3.7	1.7	*	7.4	3.4	*	7.4	5.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	97	2.1	3.2	2.6	5.2	6.2	3.7	5.2	8.6	4.2
OPEN REDUCTION OF HIP FRACTURE.....	85	3.5	4.9	2.8	5.9	9.4	4.5	7.1	12.6	5.8
PROSTATECTOMY.....	322	0.9	1.1	0.9	2.5	2.7	1.0	4.3	4.5	1.2
CHOLECYSTECTOMY.....	258	3.9	2.6	1.2	4.7	4.4	1.3	5.0	5.7	1.7
HYSTERECTOMY.....	57	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 38,526					MORTALITY				
	ADMISSION									
	OS,%	PREO,%	SD,%	REL	SE	OS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	24.78	29.47	0.28	0.84	0.01	3.82	4.26	0.10	1.00	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.61	1.08	0.05	0.57	0.03					
CONGESTIVE HEART FAILURE.....	1.34	1.71	0.07	0.78	0.03					
PNEUMONIA/INFLUENZA.....	1.25	1.52	0.06	0.82	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.34	0.67	0.04	0.50	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.30	0.47	0.03	0.68	0.05					
STROKE.....	0.82	0.94	0.05	0.86	0.05					
HIP FRACTURE.....	0.48	0.53	0.04	0.93	0.07					
SEPSIS.....	0.48	0.31	0.03	1.48	0.14					
PROCEEDURES:										
ANGIOPLASTY.....	0.51	0.29	0.03	1.72	0.17					
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.42	0.03	1.02	0.08					
INITIAL PACEMAKER INSERTION.....	0.15	0.20	0.02	0.74	0.09					
CAROTID ENOARTERECTOMY.....	0.09	0.17	0.02	1.00	0.13					
HIP REPLACEMENT/RECONSTRUCTION.....	0.28	0.43	0.03	0.66	0.05					
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.26	0.03	1.02	0.11					
PROSTATECTOMY.....	0.94	0.92	0.05	1.03	0.05					
CHOLECYSTECTOMY.....	0.67	0.57	0.04	1.20	0.08					
HYSTERECTOMY.....	0.17	0.19	0.02	0.93	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

MIDLAND, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,032	9.8	9.8	0.7	14.2	14.9	0.9	17.7	18.9	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	78	26.9	26.3	5.3	28.2	29.6	5.3	29.5	32.9	5.7
CONGESTIVE HEART FAILURE.....	69	18.8	13.7	5.1	23.2	21.0	5.5	31.9	27.4	6.0
PNEUMONIA/INFLUENZA.....	60	23.3	17.1	10.7	31.7	23.4	11.4	35.0	28.1	11.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	38	10.5	9.5	*	10.5	15.6	*	21.1	20.8	*
TRANSIENT CEREBRAL ISCHEMIA.....	23	0.0	2.1	*	0.0	4.5	*	8.7	6.9	*
STROKE.....	50	16.0	20.4	*	20.0	26.7	*	20.0	30.9	*
HIP FRACTURE.....	75	6.7	6.6	2.9	10.7	11.5	4.2	13.3	14.8	4.6
SEPSIS.....	22	31.8	33.2	*	40.9	43.4	*	50.0	51.6	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	2	0.0	4.1	*	0.0	5.2	*	0.0	6.2	*
INITIAL PACEMAKER INSERTION.....	21	0.0	4.4	*	4.8	8.1	*	4.8	11.4	*
CAROTID ENDARTERECTOMY.....	12	0.0	1.9	*	0.0	3.6	*	0.0	5.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	75	4.0	3.9	2.8	4.0	7.1	4.2	6.7	9.6	4.8
OPEN REDUCTION OF HIP FRACTURE.....	31	6.5	6.6	*	9.7	12.0	*	9.7	15.6	*
PROSTATECTOMY.....	75	0.0	1.3	1.8	1.3	3.1	2.5	2.7	5.2	3.3
CHOLECYSTECTOMY.....	41	2.4	3.1	*	2.4	5.8	*	2.4	7.8	*
HYSTERECTOMY.....	16	0.0	1.1	*	0.0	2.2	*	0.0	3.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 9,826						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.58	27.15	0.53	1.02	0.02		4.26	4.49	0.21	0.95	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.11	0.85	0.09	1.29	0.14						
CONGESTIVE HEART FAILURE.....	0.98	1.65	0.13	0.58	0.05						
PNEUMONIA/INFLUENZA.....	0.94	1.09	0.10	0.86	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.66	0.46	0.07	1.00	0.15						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.42	0.07	0.92	0.15						
STROKE.....	0.64	0.92	0.10	0.68	0.07						
HIP FRACTURE.....	0.67	0.55	0.07	1.17	0.16						
SEPSIS.....	0.41	0.36	0.06	1.11	0.19						
PROCEDURES:											
ANGIOPLASTY.....	0.14	0.26	0.05	0.50	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.38	0.06	1.13	0.19						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.04	1.21	0.30						
CAROTID ENDARTERECTOMY.....	0.24	0.11	0.04	1.00	0.34						
HIP REPLACEMENT/RECONSTRUCTION.....	0.60	0.39	0.06	1.51	0.25						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.28	0.05	0.92	0.18						
PROSTATECTOMY.....	0.72	0.78	0.09	0.92	0.11						
CHOLECYSTECTOMY.....	0.49	0.42	0.06	1.09	0.17						
HYSTERECTOMY.....	0.22	0.16	0.04	1.59	0.43						

** QUANTITIES COULD NOT BE ESTIMATED

OOESSA, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	2,517	8.5	8.9	0.6	14.1	13.6	1.0	18.2	17.3	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	96	21.9	25.5	4.7	22.9	28.8	5.3	28.1	32.3	5.1
CONGESTIVE HEART FAILURE.....	105	16.2	14.3	3.8	24.8	22.6	4.9	30.5	29.6	4.5
PNEUMONIA/INFLUENZA.....	98	16.3	13.6	4.7	24.5	18.7	7.0	33.7	23.1	7.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	78	7.7	7.4	3.0	12.8	13.1	4.1	17.9	18.1	4.4
TRANSIENT CEREBRAL ISCHEMIA.....	23	4.3	1.6	*	8.7	3.3	*	8.7	5.2	*
STROKE.....	70	21.4	18.5	4.9	32.9	24.1	7.2	38.6	28.3	8.7
HIP FRACTURE.....	93	2.2	5.7	3.1	8.6	10.1	3.5	17.2	13.3	4.1
SEPSIS.....	19	26.3	24.5	*	42.1	32.8	*	42.1	38.6	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	29	17.2	3.9	*	17.2	5.2	*	17.2	6.2	*
INITIAL PACEMAKER INSERTION.....	42	0.0	2.3	*	0.0	4.7	*	0.0	7.1	*
CAROTID ENDOARTERECTOMY.....	32	3.1	1.9	*	6.3	3.6	*	9.4	5.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	47	2.1	4.3	*	4.3	7.8	*	12.8	10.2	*
OPEN REDUCTION OF HIP FRACTURE.....	44	2.3	5.3	*	6.8	9.8	*	13.6	13.0	*
PROSTATECTOMY.....	117	2.6	1.6	1.4	5.1	3.7	2.1	6.8	5.9	3.2
CHOLECYSTECTOMY.....	43	2.3	3.9	*	4.7	7.0	*	7.0	9.3	*
HYSTERECTOMY.....	15	0.0	0.9	*	0.0	2.0	*	0.0	2.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 12,063						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	26.56	27.68	0.48	0.96	0.02		4.29	4.28	0.19	1.00	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.90	0.09	0.95	0.09						
CONGESTIVE HEART FAILURE.....	1.43	1.63	0.12	0.87	0.06						
PNEUMONIA/INFLUENZA.....	1.11	1.14	0.10	1.00	0.09						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1.00	0.55	0.07	1.86	0.23						
TRANSIENT CEREBRAL ISCHEMIA.....	0.23	0.43	0.06	0.52	0.07						
STROKE.....	0.74	0.89	0.09	0.81	0.08						
HIP FRACTURE.....	0.67	0.52	0.07	1.27	0.16						
SEPSIS.....	0.18	0.32	0.05	0.57	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.12	0.28	0.05	0.39	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.39	0.06	0.91	0.14						
INITIAL PACEMAKER INSERTION.....	0.41	0.19	0.04	2.11	0.46						
CAROTID ENDOARTERECTOMY.....	0.25	0.15	0.04	1.00	0.25						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.39	0.06	1.11	0.16						
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.26	0.05	1.25	0.23						
PROSTATECTOMY.....	0.81	0.79	0.08	0.99	0.10						
CHOLECYSTECTOMY.....	0.36	0.47	0.06	0.76	0.10						
HYSTERECTOMY.....	0.08	0.17	0.04	0.48	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

SAN ANGELO, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,010	8.5	8.6	0.5	13.3	13.4	0.6	16.9	17.2	0.8
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	108	27.8	27.0	4.3	30.6	30.2	4.8	32.4	33.7	5.3
CONGESTIVE HEART FAILURE.....	135	15.6	14.6	4.6	23.7	22.9	3.7	30.4	29.8	4.0
PNEUMONIA/INFLUENZA.....	185	13.5	15.6	4.9	18.4	21.5	5.0	23.2	26.1	4.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	42	9.5	7.7	*	14.3	13.6	*	23.8	18.8	*
TRANSIENT CEREBRAL ISCHEMIA.....	30	0.0	1.8	*	6.7	4.1	*	10.0	6.7	*
STROKE.....	117	24.8	21.7	4.7	32.5	28.4	5.2	39.3	33.0	7.4
HIP FRACTURE.....	151	6.6	5.6	2.1	11.3	10.2	2.7	15.2	13.4	3.6
SEPSIS.....	42	28.6	24.8	*	38.1	32.0	*	40.5	37.8	*
PROCEDURES:										
ANGIOPLASTY.....	13	0.0	3.0	*	0.0	4.0	*	0.0	5.0	*
CORONARY ARTERY BYPASS GRAFT.....	53	1.9	6.5	4.2	1.9	8.8	5.2	1.9	10.4	6.0
INITIAL PACEMAKER INSERTION.....	26	0.0	2.6	*	3.8	5.4	*	3.8	8.2	*
CAROTID ENDARTERECTOMY.....	52	5.8	2.0	2.7	5.8	4.0	3.1	5.8	5.8	4.0
HIP REPLACEMENT/RECONSTRUCTION.....	90	4.4	3.4	2.2	6.7	6.5	3.2	12.2	8.8	4.5
OPEN REDUCTION OF HIP FRACTURE.....	87	5.7	5.0	2.8	11.5	9.5	5.4	11.5	12.7	5.7
PROSTATECTOMY.....	177	1.1	1.4	1.1	1.7	3.2	1.8	4.5	5.3	2.1
CHOLECYSTECTOMY.....	113	3.5	2.9	1.6	3.5	5.0	2.2	3.5	6.3	3.0
HYSTERECTOMY.....	42	2.4	1.1	*	2.4	2.4	*	4.8	3.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 13,667					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.03	29.56	0.46	1.08	0.02	4.62	4.71	0.19	0.98	0.04
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.93	0.98	0.08	0.95	0.08					
CONGESTIVE HEART FAILURE.....	1.39	1.78	0.11	0.78	0.05					
PNEUMONIA/INFLUENZA.....	1.66	1.39	0.10	1.19	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.57	0.07	0.79	0.09					
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.46	0.06	0.48	0.06					
STROKE.....	0.86	0.97	0.08	0.91	0.08					
HIP FRACTURE.....	0.74	0.63	0.07	1.16	0.13					
SEPSIS.....	0.40	0.34	0.05	1.14	0.17					
PROCEDURES:										
ANGIOPLASTY.....	0.21	0.24	0.04	0.86	0.16					
CORONARY ARTERY BYPASS GRAFT.....	0.53	0.37	0.05	1.46	0.21					
INITIAL PACEMAKER INSERTION.....	0.22	0.20	0.04	1.05	0.21					
CAROTID ENDARTERECTOMY.....	0.29	0.14	0.03	1.00	0.25					
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.44	0.06	1.00	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.45	0.31	0.05	1.45	0.23					
PROSTATECTOMY.....	0.93	0.78	0.08	1.20	0.12					
CHOLECYSTECTOMY.....	0.74	0.49	0.06	1.48	0.18					
HYSTERECTOMY.....	0.20	0.18	0.04	1.11	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

SAN ANTONIO, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	29,087	8.5	8.8	0.2	13.3	13.6	0.4	16.7	17.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	730	27.7	25.0	2.0	31.2	28.4	2.1	33.6	31.8	1.9
CONGESTIVE HEART FAILURE.....	1,500	13.8	13.6	1.5	23.9	21.5	2.4	29.9	28.2	2.2
PNEUMONIA/INFLUENZA.....	1,082	14.1	15.6	1.8	20.7	21.5	1.9	24.7	26.2	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	368	7.6	8.1	1.6	15.8	14.0	2.3	22.0	19.0	3.6
TRANSIENT CEREBRAL ISCHEMIA.....	403	1.5	1.8	0.9	3.2	4.1	1.7	5.0	6.5	2.3
STROKE.....	984	19.1	19.5	1.4	24.9	25.8	1.6	28.6	30.2	2.1
HIP FRACTURE.....	817	5.5	5.9	1.0	8.9	10.7	1.9	12.9	14.1	1.7
SEPSIS.....	560	26.1	26.9	2.0	37.1	35.1	2.4	40.2	41.4	2.2
PROCEDURES:										
ANGIOPLASTY.....	262	3.4	3.1	1.1	4.2	4.1	1.2	5.0	5.2	1.4
CORONARY ARTERY BYPASS GRAFT.....	476	9.7	5.7	2.0	11.3	8.1	1.9	12.8	9.6	1.9
INITIAL PACEMAKER INSERTION.....	260	3.1	3.2	1.9	7.7	6.4	2.0	10.4	9.4	2.2
CAROTID ENDOARTERECTOMY.....	169	1.2	1.6	1.4	3.0	3.1	2.8	5.9	4.6	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	542	3.0	3.4	1.4	4.6	6.5	2.1	6.8	8.9	2.4
OPEN REDUCTION OF HIP FRACTURE.....	462	4.8	5.5	1.8	8.4	10.4	2.8	12.3	13.8	2.7
PROSTATECTOMY.....	1,108	0.7	1.3	0.4	2.2	2.9	0.7	3.2	4.7	1.0
CHOLECYSTECTOMY.....	726	3.3	3.2	0.7	6.1	5.8	0.9	7.3	7.7	1.1
HYSTERECTOMY.....	278	1.4	0.9	0.8	2.2	2.0	1.0	2.5	3.1	1.4

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 144,064					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.46	28.76	0.14	0.92	0.00	4.43	4.61	0.06	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.60	0.92	0.02	0.66	0.02					
CONGESTIVE HEART FAILURE.....	1.65	1.74	0.03	0.95	0.02					
PNEUMONIA/INFLUENZA.....	1.09	1.27	0.03	0.86	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.55	0.02	0.71	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.34	0.43	0.02	0.78	0.03					
STROKE.....	0.82	0.94	0.03	0.87	0.02					
HIP FRACTURE.....	0.61	0.58	0.02	1.06	0.04					
SEPSIS.....	0.62	0.34	0.01	1.83	0.08					
PROCEDURES:										
ANGIOPLASTY.....	0.20	0.25	0.01	0.79	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.37	0.02	0.88	0.04					
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	1.09	0.07					
CAROTID ENDOARTERECTOMY.....	0.13	0.14	0.01	1.00	0.07					
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.40	0.02	0.90	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.34	0.29	0.01	1.18	0.06					
PROSTATECTOMY.....	0.80	0.76	0.02	1.06	0.03					
CHOLECYSTECTOMY.....	0.54	0.47	0.02	1.17	0.04					
HYSTERECTOMY.....	0.19	0.17	0.01	1.11	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

SHERMAN-DENISON, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,532	9.9	9.7	0.7	14.6	14.9	0.8	17.6	18.9	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	172	33.7	25.0	5.2	39.5	28.3	5.5	42.4	31.7	5.6
CONGESTIVE HEART FAILURE.....	291	15.8	14.4	2.3	22.0	22.5	2.8	28.2	29.3	2.8
PNEUMONIA/INFLUENZA.....	221	9.5	15.5	3.9	16.3	21.2	4.1	19.0	25.7	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	50	6.0	5.9	*	16.0	10.4	*	16.0	14.4	*
TRANSIENT CEREBRAL ISCHEMIA.....	75	1.3	2.1	2.3	6.7	4.6	2.7	10.7	7.3	3.9
STROKE.....	167	21.0	19.8	5.0	31.1	26.6	6.7	34.7	31.1	6.1
HIP FRACTURE.....	166	4.2	6.9	2.6	7.8	12.4	3.8	10.2	16.0	4.9
SEPSIS.....	32	34.4	27.0	*	43.8	34.1	*	46.9	40.1	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	38	2.6	4.1	*	5.3	7.9	*	5.3	11.3	*
CAROTID ENDOARTERECTOMY.....	40	2.5	1.6	*	5.0	3.0	*	5.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	91	2.2	4.6	2.7	3.3	8.7	4.6	5.5	11.5	5.4
OPEN REDUCTION OF HIP FRACTURE.....	102	4.9	6.2	3.0	9.8	11.5	4.4	12.7	15.0	5.0
PROSTATECTOMY.....	188	1.1	1.6	1.0	2.1	3.9	2.0	5.9	6.4	2.1
CHOLECYSTECTOMY.....	114	4.4	3.5	1.9	7.0	6.1	3.1	10.5	8.0	4.7
HYSTERECTOMY.....	22	4.5	1.6	*	4.5	3.1	*	4.5	4.3	*

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,465					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.93	30.36	0.42	0.99	0.01	5.23	4.82	0.17	1.08	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.17	1.02	0.08	1.15	0.09					
CONGESTIVE HEART FAILURE.....	2.05	1.88	0.10	1.09	0.06					
PNEUMONIA/INFLUENZA.....	1.39	1.43	0.09	0.97	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.32	0.59	0.06	0.55	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.48	0.05	0.90	0.10					
STROKE.....	0.97	1.01	0.08	0.96	0.07					
HIP FRACTURE.....	0.84	0.65	0.06	1.30	0.12					
SEPSIS.....	0.28	0.35	0.04	0.79	0.10					
PROCEDURES:										
ANGIOPLASTY.....	0.30	0.24	0.04	1.24	0.19					
CORONARY ARTERY BYPASS GRAFT.....	0.31	0.36	0.05	0.86	0.11					
INITIAL PACEMAKER INSERTION.....	0.17	0.21	0.03	0.81	0.13					
CAROTID ENDOARTERECTOMY.....	0.19	0.13	0.03	1.00	0.21					
HIP REPLACEMENT/RECONSTRUCTION.....	0.48	0.44	0.05	1.08	0.12					
OPEN REDUCTION OF HIP FRACTURE.....	0.50	0.32	0.04	1.58	0.21					
PROSTATECTOMY.....	1.02	0.78	0.07	1.32	0.11					
CHOLECYSTECTOMY.....	0.59	0.51	0.05	1.16	0.12					
HYSTERECTOMY.....	0.09	0.18	0.03	0.47	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

TYLER, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	7,851	8.8	9.0	0.3	13.5	14.0	0.5	16.9	17.9	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	297	25.6	23.8	4.3	29.3	27.2	3.7	31.0	30.7	3.0
CONGESTIVE HEART FAILURE.....	353	15.0	13.4	3.0	24.1	21.2	4.8	31.2	27.9	4.6
PNEUMONIA/INFLUENZA.....	272	18.4	15.1	3.0	24.3	21.0	3.0	27.9	25.7	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	118	3.4	7.1	3.4	11.9	12.4	3.2	16.9	17.2	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	114	2.6	1.8	1.3	3.5	4.0	1.9	4.4	6.5	2.6
STROKE.....	252	17.9	16.5	2.7	23.4	23.1	2.7	27.4	27.5	3.0
HIP FRACTURE.....	204	5.9	5.6	2.1	11.8	10.4	2.7	15.7	13.7	3.6
SEPSIS.....	55	21.8	25.4	7.8	40.0	35.1	8.3	40.0	41.9	8.5
PROCEDURES:										
ANGIOPLASTY.....	103	7.8	4.9	3.2	8.7	6.0	3.1	8.7	7.3	2.8
CORONARY ARTERY BYPASS GRAFT.....	165	5.5	5.0	2.1	7.9	7.1	2.1	9.1	8.6	2.2
INITIAL PACEMAKER INSERTION.....	82	1.2	2.6	2.4	3.7	5.2	3.3	7.3	7.8	3.7
CAROTID ENDARTERECTOMY.....	97	0.0	1.7	1.9	0.0	3.3	3.0	1.0	4.9	3.3
HIP REPLACEMENT/RECONSTRUCTION.....	145	4.8	3.2	2.1	7.6	6.3	2.5	9.7	8.6	2.5
OPEN REDUCTION OF HIP FRACTURE.....	116	4.3	5.3	2.2	11.2	10.1	3.0	15.5	13.5	4.1
PROSTATECTOMY.....	260	1.2	1.1	0.7	3.1	2.7	1.2	3.8	4.5	1.7
CHOLECYSTECTOMY.....	206	1.9	2.8	1.4	3.4	4.9	2.3	4.4	6.4	3.1
HYSTERECTOMY.....	73	0.0	1.0	1.4	1.4	2.1	1.8	1.4	3.2	2.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 22,762						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	29.73	29.15	0.36	1.02	0.01		4.43	4.68	0.14	0.95	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.04	0.89	0.06	1.17	0.08						
CONGESTIVE HEART FAILURE.....	1.75	1.78	0.09	0.98	0.05						
PNEUMONIA/INFLUENZA.....	1.34	1.18	0.07	1.13	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.49	0.05	0.83	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.44	0.04	0.88	0.09						
STROKE.....	0.98	1.01	0.07	0.95	0.06						
HIP FRACTURE.....	0.64	0.57	0.05	1.12	0.10						
SEPSIS.....	0.30	0.38	0.04	0.74	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.25	0.24	0.03	0.97	0.14						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.37	0.04	0.89	0.10						
INITIAL PACEMAKER INSERTION.....	0.30	0.20	0.03	1.50	0.25						
CAROTID ENDARTERECTOMY.....	0.26	0.13	0.02	1.00	0.21						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.39	0.04	1.09	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.28	0.04	1.20	0.16						
PROSTATECTOMY.....	0.82	0.79	0.06	1.05	0.08						
CHOLECYSTECTOMY.....	0.65	0.44	0.04	1.49	0.15						
HYSTERECTOMY.....	0.22	0.16	0.03	1.27	0.24						

** QUANTITIES COULD NOT BE ESTIMATED

VICTORIA, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,374	7.8	7.8	0.5	12.6	12.4	0.6	16.2	16.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	86	24.4	25.3	6.3	30.2	28.5	6.0	32.6	31.9	5.3
CONGESTIVE HEART FAILURE.....	124	14.5	13.6	3.2	20.2	21.3	3.9	25.8	27.7	4.6
PNEUMONIA/INFLUENZA.....	155	11.0	14.0	3.9	18.1	19.4	3.4	21.3	23.6	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	36	16.7	8.4	*	19.4	14.8	*	33.3	20.3	*
TRANSIENT CEREBRAL ISCHEMIA.....	40	2.5	1.6	*	2.5	3.5	*	12.5	5.6	*
STROKE.....	104	18.3	17.6	3.8	31.7	24.0	5.2	36.5	28.3	6.0
HIP FRACTURE.....	92	7.6	5.8	2.9	9.8	10.7	3.9	16.3	13.9	4.8
SEPSIS.....	42	28.6	26.5	*	31.0	36.3	*	40.5	43.6	*
PROCEDURES:										
ANGIOPLASTY.....	26	3.8	3.7	*	3.8	4.5	*	3.8	5.6	*
CORONARY ARTERY BYPASS GRAFT.....	43	7.0	6.5	*	9.3	8.6	*	11.6	9.9	*
INITIAL PACEMAKER INSERTION.....	34	5.9	4.7	*	8.8	7.8	*	11.8	10.6	*
CAROTID ENDARTERECTOMY.....	31	0.0	2.0	*	3.2	3.7	*	3.2	5.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	67	7.5	3.5	4.1	7.5	6.8	3.2	10.4	9.5	3.7
OPEN REDUCTION OF HIP FRACTURE.....	54	5.6	5.3	3.2	9.3	10.0	5.0	16.7	13.3	7.0
PROSTATECTOMY.....	155	0.6	1.0	1.3	3.2	2.5	1.5	4.5	4.2	1.6
CHOLECYSTECTOMY.....	88	5.7	2.6	3.0	8.0	4.5	3.5	9.1	5.8	3.6
HYSTERECTOMY.....	18	0.0	1.7	*	5.6	3.8	*	5.6	5.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 9,078						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.68	29.12	0.57	1.23	0.02		4.46	4.61	0.22	0.97	0.05
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.75	0.92	0.10	0.82	0.09						
CONGESTIVE HEART FAILURE.....	1.69	1.73	0.14	0.97	0.08						
PNEUMONIA/INFLUENZA.....	1.82	1.32	0.12	1.36	0.13						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.40	0.56	0.08	0.69	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.42	0.45	0.07	0.95	0.15						
STROKE.....	1.02	0.94	0.10	1.13	0.13						
HIP FRACTURE.....	0.68	0.57	0.08	1.14	0.16						
SEPSIS.....	0.57	0.35	0.06	1.64	0.30						
PROCEDURES:											
ANGIOPLASTY.....	0.21	0.26	0.05	0.87	0.19						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.38	0.06	1.00	0.18						
INITIAL PACEMAKER INSERTION.....	0.26	0.19	0.05	1.38	0.35						
CAROTID ENDARTERECTOMY.....	0.25	0.14	0.04	1.00	0.30						
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.40	0.07	1.33	0.23						
OPEN REDUCTION OF HIP FRACTURE.....	0.39	0.28	0.06	1.24	0.26						
PROSTATECTOMY.....	0.98	0.78	0.09	1.22	0.15						
CHOLECYSTECTOMY.....	0.72	0.48	0.07	1.54	0.24						
HYSTERECTOMY.....	0.12	0.17	0.04	0.67	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

MACO, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,855	11.2	9.7	0.7	16.8	14.8	1.2	19.8	18.7	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	176	29.0	26.3	3.9	32.4	29.4	4.1	35.8	32.9	4.7
CONGESTIVE HEART FAILURE.....	203	14.8	13.6	5.4	25.1	21.2	6.0	32.0	27.7	6.7
PNEUMONIA/INFLUENZA.....	191	16.8	15.9	6.0	26.7	21.7	6.2	28.3	26.4	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	61	6.6	7.1	4.0	8.2	12.2	5.7	13.1	16.7	7.0
TRANSIENT CEREBRAL ISCHEMIA.....	55	1.8	1.8	1.8	3.6	3.8	2.7	5.5	6.1	3.4
STROKE.....	222	25.2	22.0	4.8	31.1	28.0	5.2	34.2	32.5	4.5
HIP FRACTURE.....	233	7.7	5.6	3.0	12.9	10.3	4.2	15.5	13.5	3.7
SEPSIS.....	60	25.0	24.2	8.6	38.3	30.8	10.2	38.3	36.4	11.0
PROCEDURES:										
ANGIOPLASTY.....	78	3.8	1.8	3.1	6.4	2.8	2.9	6.4	3.9	3.4
CORONARY ARTERY BYPASS GRAFT.....	56	8.9	4.4	5.3	12.5	6.1	5.6	12.5	7.2	6.0
INITIAL PACEMAKER INSERTION.....	38	2.6	3.2	*	7.9	6.0	*	13.2	8.7	*
CAROTID ENDARTERECTOMY.....	15	0.0	1.6	*	0.0	3.2	*	0.0	4.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	121	7.4	3.7	3.1	9.1	7.2	2.7	10.7	9.9	2.8
OPEN REDUCTION OF HIP FRACTURE.....	135	5.2	5.1	1.9	11.9	9.7	3.2	14.1	13.0	3.3
PROSTATECTOMY.....	258	0.8	1.2	0.9	1.9	2.7	1.8	2.7	4.4	2.8
CHOLECYSTECTOMY.....	135	2.2	2.9	1.7	5.9	5.0	2.4	6.7	6.5	2.1
HYSTERECTOMY.....	60	0.0	1.1	*	0.0	2.4	*	0.0	3.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 28,600						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	21.70	30.85	0.33	0.70	0.01		5.01	4.96	0.13	1.01	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.80	0.95	0.06	0.84	0.05						
CONGESTIVE HEART FAILURE.....	1.09	1.96	0.08	0.56	0.02						
PNEUMONIA/INFLUENZA.....	0.94	1.37	0.07	0.69	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.34	0.56	0.04	0.59	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.20	0.46	0.04	0.43	0.04						
STROKE.....	0.93	1.05	0.06	0.88	0.05						
HIP FRACTURE.....	0.74	0.63	0.05	1.18	0.09						
SEPSIS.....	0.28	0.40	0.04	0.71	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.25	0.03	0.91	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.22	0.35	0.03	0.63	0.06						
INITIAL PACEMAKER INSERTION.....	0.11	0.20	0.03	0.54	0.07						
CAROTID ENDARTERECTOMY.....	0.05	0.13	0.02	1.00	0.16						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.41	0.04	1.04	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.43	0.31	0.03	1.36	0.14						
PROSTATECTOMY.....	0.94	0.76	0.05	1.23	0.08						
CHOLECYSTECTOMY.....	0.46	0.47	0.04	0.99	0.09						
HYSTERECTOMY.....	0.19	0.17	0.02	1.09	0.16						

** QUANTITIES COULD NOT BE ESTIMATED

WICHITA FALLS, TX
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,878	9.3	8.2	0.7	13.5	12.8	0.6	16.8	16.6	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	153	29.4	27.3	3.9	32.0	30.5	3.9	35.3	33.9	4.0
CONGESTIVE HEART FAILURE.....	236	18.6	13.3	3.5	25.0	20.8	4.1	33.1	27.2	4.5
PNEUMONIA/INFLUENZA.....	204	18.1	14.9	5.1	24.0	20.6	5.8	27.9	25.1	5.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	48	6.3	6.1	*	10.4	11.1	*	10.4	15.9	*
TRANSIENT CEREBRAL ISCHEMIA.....	57	3.5	1.9	2.6	5.3	4.1	3.3	7.0	6.6	3.3
STROKE.....	187	20.3	16.9	5.8	26.7	23.4	4.8	30.5	27.7	5.4
HIP FRACTURE.....	197	6.1	5.5	1.9	8.6	10.0	2.6	13.7	13.2	2.5
SEPSIS.....	23	34.8	27.6	*	39.1	37.3	*	43.5	44.5	*
PROCEDURES:										
ANGIOPLASTY.....	40	2.5	3.8	*	2.5	5.2	*	5.0	6.7	*
CORONARY ARTERY BYPASS GRAFT.....	65	1.5	5.2	3.5	7.7	7.2	5.0	7.7	8.7	3.6
INITIAL PACEMAKER INSERTION.....	48	2.1	2.7	*	2.1	5.1	*	4.2	7.4	*
CAROTID ENDARTERECTOMY.....	45	0.0	1.6	*	4.4	3.1	*	6.7	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	115	3.5	3.2	1.7	6.1	5.9	2.6	8.7	8.0	3.5
OPEN REDUCTION OF HIP FRACTURE.....	107	6.5	5.3	3.4	8.4	10.3	3.4	15.0	13.9	3.6
PROSTATECTOMY.....	313	0.6	1.2	0.8	1.6	2.8	1.5	2.2	4.6	2.0
CHOLECYSTECTOMY.....	108	3.7	3.4	3.0	8.3	6.5	3.5	10.2	8.6	3.9
HYSTERECTOMY.....	67	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,645						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.74	29.61	0.41	1.00	0.01		5.11	4.81	0.16	1.06	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.77	0.95	0.07	0.81	0.06						
CONGESTIVE HEART FAILURE.....	1.76	1.83	0.10	0.97	0.05						
PNEUMONIA/INFLUENZA.....	1.44	1.32	0.09	1.09	0.07						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.37	0.53	0.06	0.68	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.45	0.05	0.78	0.09						
STROKE.....	1.03	0.99	0.07	1.03	0.08						
HIP FRACTURE.....	0.86	0.64	0.06	1.35	0.13						
SEPSIS.....	0.25	0.35	0.05	0.69	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.23	0.04	0.96	0.16						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.35	0.04	0.92	0.12						
INITIAL PACEMAKER INSERTION.....	0.23	0.20	0.03	1.12	0.21						
CAROTID ENDARTERECTOMY.....	0.20	0.12	0.03	1.00	0.26						
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.43	0.05	1.22	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.42	0.31	0.04	1.38	0.20						
PROSTATECTOMY.....	1.14	0.75	0.06	1.51	0.13						
CHOLECYSTECTOMY.....	0.52	0.46	0.05	1.14	0.13						
HYSTERECTOMY.....	0.32	0.17	0.03	1.83	0.37						

** QUANTITIES COULD NOT BE ESTIMATED

TX-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	67,267	10.7	10.2	0.2	15.5	15.2	0.3	18.9	19.2	0.2
CONOITIONS:										
ACUTE MYOCAROIAL INFARCTION.....	2,426	32.8	27.3	1.0	36.2	30.9	1.3	38.9	34.5	1.0
CONGESTIVE HEART FAILURE.....	4,205	15.3	14.9	1.0	23.8	23.1	0.8	29.5	29.9	0.7
PNEUMONIA/INFLUENZA.....	5,247	13.3	15.7	0.8	19.1	21.6	0.9	23.3	26.1	0.9
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	1,123	7.7	7.8	1.0	13.1	13.6	1.3	18.1	18.7	1.3
TRANSIENT CEREBRAL ISCHEMIA.....	970	1.8	2.0	0.6	4.2	4.5	0.8	6.7	7.3	1.2
STROKE.....	2,823	23.7	20.6	1.2	31.1	27.3	1.2	35.5	31.9	1.2
HIP FRACTURE.....	1,567	5.5	6.0	0.7	8.9	10.9	1.2	12.3	14.2	1.3
SEPSIS.....	1,141	27.3	28.2	1.7	35.3	36.1	2.1	41.2	42.4	1.7
PROCEOURES:										
ANGIOPLASTY.....	81	6.2	4.7	5.0	8.6	5.9	4.8	9.9	7.3	4.4
CORONARY ARTERY BYPASS GRAFT.....	92	7.6	5.1	5.6	10.9	7.2	6.2	12.0	8.6	6.0
INITIAL PACEMAKER INSERTION.....	231	5.6	4.2	2.2	8.7	7.7	2.2	11.3	10.9	2.1
CAROTIO ENOARTERECTOMY.....	113	2.7	1.8	1.5	3.5	3.5	1.7	3.5	5.2	2.6
HIP REPLACEMENT/RECONSTRUCTION.....	767	4.3	4.0	0.8	6.6	7.7	1.4	9.4	10.4	1.7
OPEN REOUCTION OF HIP FRACTURE.....	807	5.2	5.5	0.9	8.8	10.5	1.7	11.9	13.9	1.9
PROSTATECTOMY.....	1,865	0.7	1.2	0.3	2.0	2.8	0.5	3.3	4.6	0.8
CHOLECYSTECTOMY.....	1,428	3.1	3.2	0.6	5.1	5.5	0.7	6.7	7.2	0.9
HYSTERECTOMY.....	378	2.1	1.0	0.9	2.6	2.0	1.0	3.7	2.9	1.1

* THE NUMBER OF CASES OR OEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO OEVIATION.

POPULATION BASEO RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 540,697						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	31.36	30.52	0.07	1.03	0.00		4.76	4.79	0.03	0.99	0.01
CONOITIONS:											
ACUTE MYOCAROIAL INFARCTION.....	1.02	1.03	0.01	1.00	0.01						
CONGESTIVE HEART FAILURE.....	1.88	1.87	0.02	1.00	0.01						
PNEUMONIA/INFLUENZA.....	1.74	1.49	0.02	1.18	0.01						
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.54	0.58	0.01	0.95	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.47	0.01	0.82	0.02						
STROKE.....	1.06	1.02	0.01	1.04	0.01						
HIP FRACTURE.....	0.71	0.62	0.01	1.15	0.02						
SEPSIS.....	0.43	0.35	0.01	1.22	0.03						
PROCEOURES:											
ANGIOPLASTY.....	0.28	0.24	0.01	1.15	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.38	0.01	0.97	0.02						
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.01	1.04	0.04						
CAROTIO ENOARTERECTOMY.....	0.16	0.13	0.00	1.00	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.46	0.44	0.01	1.07	0.02						
OPEN REOUCTION OF HIP FRACTURE.....	0.36	0.30	0.01	1.19	0.03						
PROSTATECTOMY.....	0.90	0.85	0.01	1.05	0.02						
CHOLECYSTECTOMY.....	0.60	0.51	0.01	1.18	0.02						
HYSTERECTOMY.....	0.18	0.18	0.01	1.03	0.04						

** QUANTITIES COULO NOT BE ESTIMATED

PRDVO-DREM, UT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OS	PRED	SD	OS	PRED	SD	OS	PRED	SD
ALL CAUSES.....	3,771	9.3	7.0	0.6	13.0	10.6	0.6	15.4	13.5	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	112	27.7	22.9	7.0	29.5	26.0	6.6	31.3	29.3	5.4
CONGESTIVE HEART FAILURE.....	139	21.6	13.7	5.1	30.2	21.7	5.9	36.7	28.4	6.3
PNEUMONIA/INFLUENZA.....	174	18.4	14.8	4.0	25.3	20.2	5.4	30.5	24.6	6.5
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	57	10.5	6.3	6.3	24.6	11.3	7.0	29.8	15.8	7.7
TRANSIENT CEREBRAL ISCHEMIA.....	21	0.0	1.4	*	4.8	3.0	*	4.8	4.8	*
STROKE.....	96	26.0	19.9	7.6	32.3	25.8	8.4	34.4	30.1	7.1
HIP FRACTURE.....	124	10.5	6.2	3.5	16.9	11.2	5.4	21.8	14.7	6.3
SEPSIS.....	59	20.3	24.0	6.4	28.8	30.8	7.3	33.9	37.0	8.6
PROCEDURES:										
ANGIPLASTY.....	101	5.9	3.3	2.9	5.9	4.4	2.5	5.9	5.5	2.3
CORONARY ARTERY BYPASS GRAFT.....	74	6.8	5.8	3.7	9.5	8.3	3.6	10.8	9.8	3.7
INITIAL PACEMAKER INSERTION.....	54	0.0	1.7	*	1.9	3.7	*	1.9	5.7	*
CAROTID ENDARTERECTOMY.....	24	0.0	1.5	*	0.0	3.1	*	12.5	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	117	1.7	1.7	1.5	3.4	3.3	2.3	3.4	4.6	2.5
OPEN REDUCTION OF HIP FRACTURE.....	71	11.3	5.3	4.0	18.3	10.0	5.6	23.9	13.1	7.4
PROSTATECTOMY.....	215	1.9	0.8	1.0	1.9	1.9	1.3	3.7	3.1	1.4
CHOLECYSTECTOMY.....	130	6.2	2.7	2.2	10.8	4.7	3.4	10.8	6.0	3.5
HYSTERECTOMY.....	37	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 20,146						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.05	25.14	0.35	0.92	0.01		3.92	4.23	0.14	0.93	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.72	0.83	0.06	0.89	0.07						
CONGESTIVE HEART FAILURE.....	1.02	1.44	0.08	0.71	0.04						
PNEUMONIA/INFLUENZA.....	1.09	1.12	0.07	0.96	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.46	0.05	1.05	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.16	0.37	0.04	0.43	0.05						
STROKE.....	0.57	0.80	0.06	0.68	0.05						
HIP FRACTURE.....	0.59	0.54	0.05	1.08	0.11						
SEPSIS.....	0.34	0.29	0.04	1.23	0.17						
PROCEDURES:											
ANGIPLASTY.....	0.54	0.25	0.04	2.09	0.31						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.37	0.04	1.16	0.14						
INITIAL PACEMAKER INSERTION.....	0.25	0.18	0.03	1.27	0.23						
CAROTID ENDARTERECTOMY.....	0.16	0.13	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.59	0.43	0.05	1.35	0.15						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.26	0.04	1.07	0.16						
PROSTATECTOMY.....	0.85	0.79	0.06	1.06	0.08						
CHOLECYSTECTOMY.....	0.70	0.42	0.05	1.72	0.19						
HYSTERECTOMY.....	0.16	0.17	0.03	0.90	0.17						

** QUANTITIES COULD NOT BE ESTIMATED

SALT LAKE CITY-OGDEN, UT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	17,475	8.1	6.7	0.2	12.3	10.3	0.4	15.2	13.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	542	21.0	23.1	2.5	26.6	26.0	2.5	28.2	29.1	2.2
CONGESTIVE HEART FAILURE.....	594	16.5	13.1	1.9	24.4	20.9	2.1	32.0	27.3	2.4
PNEUMONIA/INFLUENZA.....	575	15.0	14.0	1.9	20.9	19.5	2.6	25.2	23.7	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	136	7.4	6.9	2.4	8.8	12.2	4.6	19.1	16.9	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	143	4.2	1.5	1.8	6.3	3.3	2.4	7.0	5.3	3.0
STROKE.....	565	21.1	18.0	2.4	29.0	24.1	3.0	33.6	28.3	3.2
HIP FRACTURE.....	513	6.8	5.0	1.5	14.8	9.1	2.2	18.1	12.0	2.3
SEPSIS.....	119	27.7	24.5	6.1	38.7	31.6	5.5	39.5	37.6	4.9
PROCEDURES:										
ANGIOPLASTY.....	191	1.0	2.7	2.2	2.1	3.5	2.1	3.7	4.5	2.0
CORONARY ARTERY BYPASS GRAFT.....	436	3.9	4.8	1.2	5.0	6.8	1.7	6.0	8.0	1.9
INITIAL PACEMAKER INSERTION.....	164	5.5	2.7	2.3	8.5	5.2	3.0	11.6	7.6	3.9
CAROTID ENDARTERECTOMY.....	73	4.1	1.3	2.3	4.1	2.5	3.0	6.8	3.6	3.2
HIP REPLACEMENT/RECONSTRUCTION.....	626	2.4	1.9	0.9	5.6	3.6	1.2	7.2	5.0	1.6
OPEN REDUCTION OF HIP FRACTURE.....	254	6.3	4.5	1.9	14.6	8.6	3.6	17.3	11.4	3.7
PROSTATECTOMY.....	749	1.3	0.7	0.5	3.1	1.7	0.9	4.3	2.9	1.1
CHOLECYSTECTOMY.....	562	3.9	2.3	1.1	5.3	4.2	1.3	7.5	5.5	1.5
HYSTERECTOMY.....	203	0.0	0.7	0.8	0.0	1.4	1.4	0.5	2.2	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 97,487									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	20.93	26.77	0.17	0.78	0.00	4.17	4.45	0.07	0.94	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.71	0.88	0.03	0.80	0.03					
CONGESTIVE HEART FAILURE.....	0.88	1.56	0.04	0.57	0.01					
PNEUMONIA/INFLUENZA.....	0.78	1.19	0.03	0.66	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.22	0.50	0.02	0.45	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.18	0.39	0.02	0.46	0.02					
STROKE.....	0.68	0.86	0.03	0.80	0.03					
HIP FRACTURE.....	0.61	0.58	0.02	1.06	0.04					
SEPSIS.....	0.17	0.31	0.02	0.54	0.03					
PROCEDURES:										
ANGIOPLASTY.....	0.22	0.26	0.02	0.86	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.37	0.02	1.06	0.06					
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.98	0.07					
CAROTID ENDARTERECTOMY.....	0.07	0.14	0.01	1.00	0.09					
HIP REPLACEMENT/RECONSTRUCTION.....	0.61	0.43	0.02	1.42	0.07					
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.28	0.02	1.14	0.07					
PROSTATECTOMY.....	0.81	0.79	0.03	1.03	0.04					
CHOLECYSTECTOMY.....	0.59	0.45	0.02	1.32	0.06					
HYSTERECTOMY.....	0.18	0.18	0.01	1.02	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

UT-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	5,467	8.6	8.5	0.4	12.5	12.4	0.6	15.3	15.7	0.5
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	222	23.0	25.4	4.1	25.7	28.4	4.6	27.5	31.7	5.9
CONGESTIVE HEART FAILURE.....	217	18.0	14.0	3.9	23.0	21.9	3.4	28.1	28.4	3.1
PNEUMONIA/INFLUENZA.....	400	10.7	14.4	2.4	14.7	19.9	3.0	19.0	24.3	3.1
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	66	6.1	8.2	4.5	13.6	14.0	4.5	21.2	19.1	5.1
TRANSIENT CEREBRAL ISCHEMIA.....	44	0.0	1.9	*	2.3	4.2	*	13.6	6.7	*
STROKE.....	175	23.4	19.9	6.4	30.9	26.3	5.9	34.3	30.8	5.0
HIP FRACTURE.....	129	7.0	5.7	2.6	10.9	10.3	2.8	14.0	13.5	3.1
SEPSIS.....	73	19.2	30.1	10.5	28.8	37.5	10.9	34.2	43.7	11.3
PROCEDURE:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	20	0.0	2.3	*	5.0	4.5	*	10.0	6.5	*
CAROTID ENOARTERECTOMY.....	0									
HIP REPLACEMENT/RECONSTRUCTION.....	114	4.4	2.4	2.9	8.8	4.6	4.4	9.6	6.3	5.3
OPEN REDUCTION OF HIP FRACTURE.....	68	4.4	5.4	3.4	5.9	10.0	6.0	10.3	13.2	5.6
PROSTATECTOMY.....	194	0.0	0.8	0.9	0.0	1.9	1.7	0.5	3.3	2.1
CHOLECYSTECTOMY.....	156	1.3	1.9	1.3	3.2	3.4	1.8	3.8	4.6	1.8
HYSTERECTOMY.....	59	3.4	0.7	2.3	3.4	1.5	3.0	5.1	2.3	3.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 42,821						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SD,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	24.93	26.51	0.25	0.94	0.01		4.09	4.36	0.10	0.94	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.98	0.91	0.05	1.08	0.06						
CONGESTIVE HEART FAILURE.....	1.03	1.51	0.06	0.65	0.03						
PNEUMONIA/INFLUENZA.....	1.37	1.19	0.05	1.15	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.35	0.46	0.03	0.66	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.18	0.38	0.03	0.48	0.04						
STROKE.....	0.72	0.86	0.04	0.84	0.05						
HIP FRACTURE.....	0.54	0.56	0.04	1.00	0.07						
SEPSIS.....	0.32	0.29	0.03	0.99	0.11						
PROCEDURE:											
ANGIOPLASTY.....	0.22	0.25	0.03	0.74	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.40	0.03	0.87	0.08						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.02	0.83	0.11						
CAROTID ENOARTERECTOMY.....	0.07	0.13	0.02	1.00	0.17						
HIP REPLACEMENT/RECONSTRUCTION.....	0.60	0.45	0.03	1.37	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.27	0.02	1.10	0.13						
PROSTATECTOMY.....	0.85	0.90	0.05	0.93	0.05						
CHOLECYSTECTOMY.....	0.61	0.47	0.03	1.33	0.11						
HYSTERECTOMY.....	0.20	0.17	0.02	1.20	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

CHARLOTTESVILLE, VA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,026	7.3	8.8	0.5	12.2	13.8	0.6	16.1	17.6	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	152	20.4	28.2	4.9	25.0	31.5	4.6	27.6	34.9	4.7
CONGESTIVE HEART FAILURE.....	233	9.4	15.5	3.9	19.3	24.2	5.0	26.6	31.2	3.8
PNEUMONIA/INFLUENZA.....	235	11.5	15.0	3.0	16.2	20.7	4.0	18.7	25.2	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	56	1.8	7.6	6.6	5.4	13.1	8.4	10.7	18.2	8.3
TRANSIENT CEREBRAL ISCHEMIA.....	106	0.9	1.5	1.5	2.8	3.3	2.1	4.7	5.2	2.3
STROKE.....	235	19.1	22.3	3.5	25.5	28.6	3.5	32.3	33.1	3.4
HIP FRACTURE.....	111	0.9	6.1	5.4	3.6	11.0	7.3	8.1	14.3	6.2
SEPSIS.....	54	25.9	21.9	6.3	31.5	29.6	6.3	35.2	35.4	6.8
PROCEDURES:										
ANGIOPLASTY.....	61	3.3	2.1	3.2	6.6	3.2	3.8	6.6	4.5	4.5
CORONARY ARTERY BYPASS GRAFT.....	108	4.6	6.3	3.3	7.4	9.9	3.8	10.2	12.2	3.5
INITIAL PACEMAKER INSERTION.....	39	0.0	4.4	*	2.6	7.4	*	5.1	10.0	*
CAROTID ENDARTERECTOMY.....	28	0.0	1.6	*	0.0	3.1	*	3.6	4.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	105	1.0	2.5	2.4	1.0	4.7	3.9	3.8	6.4	4.2
OPEN REDUCTION OF HIP FRACTURE.....	53	0.0	6.0	6.4	3.8	11.3	7.7	7.5	14.9	7.6
PROSTATECTOMY.....	115	0.9	0.9	1.3	2.6	2.2	1.8	3.5	3.7	2.3
CHOLECYSTECTOMY.....	61	0.0	2.4	2.8	3.3	4.3	2.8	4.9	5.8	3.1
HYSTERECTOMY.....	46	2.2	1.6	*	4.3	3.0	*	4.3	4.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 15,366						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.65	28.79	0.43	1.06	0.02		4.69	4.77	0.18	0.98	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.94	0.86	0.07	1.08	0.10						
CONGESTIVE HEART FAILURE.....	1.98	1.73	0.11	1.14	0.07						
PNEUMONIA/INFLUENZA.....	1.56	1.21	0.09	1.30	0.10						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.47	0.06	1.12	0.14						
TRANSIENT CEREBRAL ISCHEMIA.....	0.55	0.41	0.05	1.23	0.17						
STROKE.....	1.26	0.97	0.08	1.28	0.11						
HIP FRACTURE.....	0.66	0.59	0.06	1.25	0.14						
SEPSIS.....	0.29	0.37	0.05	0.69	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.13	0.24	0.04	0.57	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.36	0.05	0.71	0.11						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.03	1.07	0.23						
CAROTID ENDARTERECTOMY.....	0.06	0.12	0.03	1.00	0.28						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.39	0.05	1.12	0.16						
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.29	0.04	1.15	0.19						
PROSTATECTOMY.....	0.49	0.76	0.07	0.59	0.06						
CHOLECYSTECTOMY.....	0.28	0.42	0.05	0.62	0.08						
HYSTERECTOMY.....	0.11	0.16	0.03	0.50	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

DANVILLE, VA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	3,345	10.6	9.7	0.9	15.7	14.8	1.1	19.3	18.7	1.0
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	171	29.8	26.6	4.6	33.3	29.9	5.8	37.4	33.1	7.3
CONGESTIVE HEART FAILURE.....	229	17.0	14.2	4.8	25.3	21.9	6.4	31.9	28.4	5.8
PNEUMONIA/INFLUENZA.....	113	15.0	18.9	4.9	21.2	25.3	6.0	23.9	30.3	8.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	14	0.0	5.9	*	0.0	10.2	*	7.1	14.2	*
TRANSIENT CEREBRAL ISCHEMIA.....	61	3.3	1.7	2.1	3.3	3.8	2.6	3.3	6.0	4.3
STROKE.....	139	24.5	20.4	4.0	36.7	27.4	5.6	43.2	31.8	6.5
HIP FRACTURE.....	83	8.4	7.0	3.1	10.8	12.3	3.9	13.3	15.8	5.2
SEPSIS.....	51	25.5	25.1	6.9	35.3	35.3	7.6	43.1	41.9	7.3
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	20	0.0	3.6	*	10.0	6.5	*	10.0	9.3	*
CAROTID ENDARTERECTOMY.....	2	0.0	0.9	*	0.0	1.5	*	0.0	2.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	34	2.9	3.2	*	2.9	6.0	*	2.9	8.2	*
OPEN REDUCTION OF HIP FRACTURE.....	50	6.0	5.6	*	6.0	10.4	*	8.0	13.6	*
PROSTATECTOMY.....	94	2.1	1.0	1.4	6.4	2.4	3.2	7.4	3.9	4.3
CHOLECYSTECTOMY.....	73	0.0	2.9	2.8	2.7	5.2	3.2	5.5	6.8	3.2
HYSTERECTOMY.....	41	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 19,880						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	25.76	32.42	0.40	0.79	0.01		4.58	4.69	0.15	0.98	0.03
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.31	0.96	0.07	1.39	0.10						
CONGESTIVE HEART FAILURE.....	1.86	2.04	0.10	0.90	0.04						
PNEUMONIA/INFLUENZA.....	0.98	1.32	0.08	0.75	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.16	0.60	0.06	0.26	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.48	0.05	0.84	0.09						
STROKE.....	0.94	1.12	0.07	0.85	0.06						
HIP FRACTURE.....	0.53	0.54	0.05	1.00	0.10						
SEPSIS.....	0.31	0.41	0.05	0.72	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.16	0.23	0.03	0.73	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.25	0.34	0.04	0.76	0.10						
INITIAL PACEMAKER INSERTION.....	0.13	0.20	0.03	0.72	0.13						
CAROTID ENDARTERECTOMY.....	0.03	0.14	0.03	1.00	0.21						
HIP REPLACEMENT/RECONSTRUCTION.....	0.29	0.35	0.04	0.84	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.27	0.04	1.17	0.17						
PROSTATECTOMY.....	0.48	0.73	0.06	0.68	0.06						
CHOLECYSTECTOMY.....	0.47	0.48	0.05	0.94	0.10						
HYSTERECTOMY.....	0.21	0.16	0.03	1.35	0.26						

** QUANTITIES COULD NOT BE ESTIMATED

LYNCHBURG, VA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,352	9.2	8.5	0.5	13.6	12.8	0.6	17.0	16.3	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	194	20.6	29.9	3.5	24.2	33.1	3.5	24.7	36.7	3.6
CONGESTIVE HEART FAILURE.....	278	15.5	14.2	2.6	21.9	22.0	2.7	29.5	28.4	3.0
PNEUMONIA/INFLUENZA.....	250	13.6	13.8	2.2	17.4	19.2	2.7	19.6	23.5	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	52	5.8	5.5	5.2	13.5	9.8	6.9	19.2	13.7	8.5
TRANSIENT CEREBRAL ISCHEMIA.....	42	0.0	1.9	*	2.4	4.4	*	9.5	7.1	*
STROKE.....	218	22.9	20.5	3.4	28.9	26.6	4.3	34.4	31.0	5.2
HIP FRACTURE.....	155	3.2	5.9	3.0	11.0	10.8	2.5	14.2	14.2	2.9
SEPSIS.....	57	28.1	30.1	6.3	36.8	37.4	6.5	40.4	43.8	7.7
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	3	33.3	8.6	*	33.3	12.9	*	33.3	15.7	*
INITIAL PACEMAKER INSERTION.....	21	4.8	4.7	*	4.8	7.4	*	9.5	9.7	*
CAROTID ENDARTERECTOMY.....	10	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	97	3.1	3.1	3.8	7.2	6.2	2.9	8.2	8.5	2.9
OPEN REDUCTION OF HIP FRACTURE.....	82	3.7	5.7	3.4	12.2	10.7	3.7	14.6	14.1	4.6
PROSTATECTOMY.....	167	0.6	1.4	1.0	1.8	3.1	1.5	3.0	5.0	2.2
CHOLECYSTECTOMY.....	86	2.3	2.4	2.7	2.3	4.3	3.0	3.5	5.6	3.3
HYSTERECTOMY.....	40	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,994						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.29	30.47	0.36	0.90	0.01		4.46	4.66	0.14	0.96	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.89	0.06	0.98	0.07						
CONGESTIVE HEART FAILURE.....	1.52	1.86	0.09	0.81	0.04						
PNEUMONIA/INFLUENZA.....	1.17	1.25	0.07	0.94	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.36	0.58	0.05	0.63	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.45	0.04	0.48	0.05						
STROKE.....	0.90	1.03	0.07	0.88	0.06						
HIP FRACTURE.....	0.65	0.55	0.05	1.18	0.10						
SEPSIS.....	0.25	0.38	0.04	0.67	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.11	0.22	0.03	0.49	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.34	0.04	1.11	0.13						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.03	0.62	0.10						
CAROTID ENDARTERECTOMY.....	0.06	0.13	0.02	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.36	0.04	1.09	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.27	0.03	1.24	0.16						
PROSTATECTOMY.....	0.69	0.71	0.05	0.98	0.08						
CHOLECYSTECTOMY.....	0.40	0.45	0.04	0.86	0.08						
HYSTERECTOMY.....	0.14	0.16	0.03	0.67	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

NORFOLK-VIRGINIA BEACH-NEWPORT NEWS, VA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	30,975	8.6	8.3	0.2	13.5	12.9	0.3	16.9	16.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	874	21.4	25.4	2.1	24.6	28.7	2.2	27.5	32.1	2.4
CONGESTIVE HEART FAILURE.....	1,338	13.3	14.1	1.4	20.7	21.7	1.8	27.2	28.2	1.9
PNEUMONIA/INFLUENZA.....	957	17.9	15.7	2.1	25.0	21.6	2.3	29.6	26.2	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	492	8.3	7.0	1.6	14.2	12.5	2.4	17.7	17.2	2.0
TRANSIENT CEREBRAL ISCHEMIA.....	473	2.3	1.8	0.9	3.8	4.0	1.3	5.5	6.3	1.7
STROKE.....	1,165	19.4	19.4	1.5	28.0	25.8	1.7	31.7	30.1	1.6
HIP FRACTURE.....	604	5.5	6.3	1.4	9.3	11.3	2.4	12.9	14.7	2.6
SEPSIS.....	325	28.6	28.1	2.5	40.3	36.4	3.2	46.5	42.6	3.3
PROCEQURES:										
ANGIOPLASTY.....	193	1.0	3.0	2.1	2.1	4.2	2.5	3.1	5.5	2.8
CORONARY ARTERY BYPASS GRAFT.....	376	3.7	5.7	1.9	5.3	8.4	2.0	7.2	10.1	2.0
INITIAL PACEMAKER INSERTION.....	166	3.0	3.4	1.7	6.0	6.3	1.9	10.8	9.1	3.1
CAROTIO ENOARTERECTOMY.....	178	1.1	1.4	0.9	2.2	2.6	1.4	2.2	3.8	2.1
HIP REPLACEMENT/RECONSTRUCTION.....	486	3.1	3.1	1.3	4.9	5.7	1.4	7.0	7.6	1.5
OPEN REDUCTION OF HIP FRACTURE.....	294	7.1	5.8	2.8	12.6	10.9	3.9	15.6	14.4	3.4
PROSTATECTOMY.....	757	0.8	0.9	0.4	2.5	2.3	0.8	3.8	3.8	0.7
CHOLECYSTECTOMY.....	493	2.4	2.4	0.7	4.1	4.2	0.9	5.9	5.5	1.1
HYSTERECTOMY.....	190	1.1	1.0	0.8	2.6	2.0	1.4	3.7	2.9	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 137,177					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.66	29.26	0.15	1.08	0.00	4.73	4.57	0.06	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.87	0.82	0.02	1.05	0.03					
CONGESTIVE HEART FAILURE.....	1.69	1.88	0.04	0.90	0.02					
PNEUMONIA/INFLUENZA.....	1.00	1.03	0.03	0.97	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.56	0.49	0.02	1.14	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.42	0.42	0.02	0.99	0.04					
STROKE.....	1.09	1.04	0.03	1.05	0.03					
HIP FRACTURE.....	0.50	0.48	0.02	1.04	0.04					
SEPSIS.....	0.37	0.40	0.02	0.92	0.04					
PROCEQURES:										
ANGIOPLASTY.....	0.23	0.23	0.01	0.98	0.06					
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.32	0.01	1.36	0.07					
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.01	0.82	0.05					
CAROTIO ENOARTERECTOMY.....	0.16	0.11	0.01	1.00	0.08					
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.33	0.02	1.21	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.24	0.01	0.96	0.05					
PROSTATECTOMY.....	0.66	0.73	0.02	0.93	0.03					
CHOLECYSTECTOMY.....	0.42	0.40	0.02	1.04	0.04					
HYSTERECTOMY.....	0.15	0.15	0.01	**	**					

** QUANTITIES COULD NOT BE ESTIMATED

RICHMOND-PETERSBURG, VA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	27,671	8.1	8.2	0.3	12.7	12.7	0.4	16.2	16.3	0.3
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	643	26.9	28.3	2.0	30.9	31.7	1.9	34.1	35.3	2.0
CONGESTIVE HEART FAILURE.....	1,214	14.8	14.9	1.0	23.6	23.1	1.7	29.8	29.9	1.9
PNEUMONIA/INFLUENZA.....	872	15.9	16.1	1.4	21.2	22.0	1.6	25.3	26.7	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	292	11.6	6.2	2.2	18.8	11.4	2.9	22.9	16.0	3.1
TRANSIENT CEREBRAL ISCHEMIA.....	541	2.2	1.7	0.6	4.1	3.8	1.0	4.8	6.1	1.3
STROKE.....	965	17.2	20.0	1.9	24.5	26.3	1.9	27.7	30.7	2.0
HIP FRACTURE.....	538	7.2	6.6	1.3	13.2	11.9	2.4	16.9	15.4	2.9
SEPSIS.....	269	26.8	27.3	2.8	35.7	35.3	3.0	41.3	41.6	3.1
PROCEDURES:										
ANGIOPLASTY.....	297	2.7	3.6	1.3	3.7	4.9	1.5	6.1	6.2	1.4
CORONARY ARTERY BYPASS GRAFT.....	407	4.9	5.4	2.4	7.4	8.1	2.4	8.1	9.8	2.4
INITIAL PACEMAKER INSERTION.....	173	2.9	3.6	2.1	10.4	6.9	3.3	13.3	9.9	3.8
CAROTID ENDARTERECTOMY.....	124	1.6	1.4	1.9	5.6	2.6	2.6	5.6	3.8	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	449	2.9	2.7	1.2	5.1	5.1	1.3	6.9	6.9	1.2
OPEN REDUCTION OF HIP FRACTURE.....	232	8.2	5.9	2.6	14.2	11.0	4.5	18.1	14.5	4.5
PROSTATECTOMY.....	708	1.4	1.0	0.5	2.8	2.4	0.7	4.0	3.9	0.8
CHOLECYSTECTOMY.....	377	2.7	3.2	1.2	4.8	5.5	1.6	7.2	7.2	1.6
HYSTERECTOMY.....	190	1.1	0.8	0.7	1.1	1.5	0.9	1.6	2.2	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 109,678						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.33	30.38	0.17	1.10	0.01		4.87	4.79	0.07	1.02	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.86	0.03	0.92	0.03						
CONGESTIVE HEART FAILURE.....	1.85	1.96	0.04	0.94	0.02						
PNEUMONIA/INFLUENZA.....	1.10	1.15	0.03	0.95	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.51	0.02	0.83	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.60	0.45	0.02	1.32	0.06						
STROKE.....	1.07	1.08	0.03	1.00	0.03						
HIP FRACTURE.....	0.58	0.54	0.02	1.07	0.04						
SEPSIS.....	0.41	0.41	0.02	0.98	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.32	0.22	0.01	1.46	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.32	0.02	1.12	0.06						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	1.02	0.07						
CAROTID ENDARTERECTOMY.....	0.13	0.11	0.01	1.00	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.35	0.02	1.15	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.27	0.02	0.95	0.06						
PROSTATECTOMY.....	0.71	0.71	0.02	**	**						
CHOLECYSTECTOMY.....	0.38	0.41	0.02	0.92	0.04						
HYSTERECTOMY.....	0.15	0.15	0.01	**	**						

** QUANTITIES COULD NOT BE ESTIMATED

ROANOKE, VA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,418	8.0	8.4	0.4	12.5	13.1	0.4	16.3	16.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	299	26.4	25.7	5.1	31.4	29.0	5.1	34.1	32.4	4.7
CONGESTIVE HEART FAILURE.....	470	14.0	14.5	2.1	21.3	22.7	2.8	27.7	29.5	3.7
PNEUMONIA/INFLUENZA.....	425	17.2	15.5	3.3	23.8	21.1	4.0	28.0	25.7	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	104	2.9	6.2	2.8	7.7	11.2	3.6	13.5	15.4	3.8
TRANSIENT CEREBRAL ISCHEMIA.....	161	1.2	1.9	1.3	2.5	4.1	1.9	3.7	6.5	2.9
STROKE.....	349	18.6	20.4	2.4	26.6	26.9	2.5	33.2	31.3	2.7
HIP FRACTURE.....	262	3.8	6.5	2.2	6.5	11.6	3.4	10.3	15.0	3.7
SEPSIS.....	98	24.5	26.4	4.8	36.7	34.5	5.1	44.9	40.3	7.5
PROCEDURES:										
ANGIOPLASTY.....	48	2.1	3.9	*	2.1	5.1	*	2.1	6.4	*
CORONARY ARTERY BYPASS GRAFT.....	170	3.5	6.0	2.5	5.3	8.8	2.6	7.6	10.6	2.6
INITIAL PACEMAKER INSERTION.....	52	7.7	4.0	4.7	13.5	7.2	6.3	13.5	10.2	5.8
CAROTID ENDARTERECTOMY.....	62	3.2	1.5	2.1	3.2	2.8	2.3	3.2	4.0	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	230	0.9	3.6	2.8	1.3	6.6	4.8	3.9	8.9	4.1
OPEN REDUCTION OF HIP FRACTURE.....	115	5.2	5.8	2.3	9.6	10.8	3.1	13.0	14.1	3.9
PROSTATECTOMY.....	312	1.0	1.0	0.8	2.6	2.5	1.0	4.2	4.3	1.2
CHOLECYSTECTOMY.....	244	2.9	3.3	1.4	3.7	5.9	2.5	7.0	7.5	2.1
HYSTERECTOMY.....	85	0.0	0.8	*	0.0	1.6	*	0.0	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 38,886						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.38	31.81	0.29	0.92	0.01		4.75	4.86	0.11	0.98	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.84	1.02	0.05	0.82	0.04						
CONGESTIVE HEART FAILURE.....	1.82	2.00	0.07	0.92	0.03						
PNEUMONIA/INFLUENZA.....	1.33	1.49	0.06	0.89	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.41	0.62	0.04	0.66	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.50	0.04	0.78	0.06						
STROKE.....	0.95	1.06	0.05	0.90	0.04						
HIP FRACTURE.....	0.68	0.64	0.04	1.05	0.07						
SEPSIS.....	0.30	0.37	0.03	0.81	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.12	0.23	0.02	0.55	0.06						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.34	0.03	0.97	0.09						
INITIAL PACEMAKER INSERTION.....	0.13	0.20	0.02	0.62	0.07						
CAROTIO ENDARTERECTOMY.....	0.14	0.13	0.02	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.56	0.41	0.03	1.37	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.31	0.03	0.90	0.08						
PROSTATECTOMY.....	0.65	0.72	0.04	0.89	0.05						
CHOLECYSTECTOMY.....	0.57	0.50	0.04	1.11	0.08						
HYSTERECTOMY.....	0.17	0.18	0.02	0.97	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

VA-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	41,756	8.9	8.9	0.2	13.4	13.5	0.3	16.8	17.1	0.2
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,543	27.0	26.6	1.4	31.4	29.9	2.2	33.9	33.4	1.3
CONGESTIVE HEART FAILURE.....	2,170	14.3	14.7	1.3	23.5	22.8	1.4	30.0	29.6	1.1
PNEUMONIA/INFLUENZA.....	2,347	14.5	15.6	1.3	19.9	21.4	1.8	24.4	25.9	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	771	4.3	5.6	1.2	8.3	10.4	1.9	12.5	14.8	2.1
TRANSIENT CEREBRAL ISCHEMIA.....	633	1.4	1.8	0.7	3.2	4.1	1.5	5.2	6.6	2.2
STROKE.....	1,704	19.8	19.9	1.2	26.6	26.5	1.1	30.0	30.9	1.4
HIP FRACTURE.....	1,101	6.2	5.9	1.1	12.0	10.8	1.9	15.3	14.1	2.0
SEPSIS.....	457	24.7	26.5	2.5	35.0	34.1	3.6	38.9	39.9	3.2
PROCEDURES:										
ANGIOPLASTY.....	47	4.3	4.1	*	10.6	5.5	*	12.8	7.0	*
CORONARY ARTERY BYPASS GRAFT.....	63	14.3	6.5	3.9	23.8	9.1	5.3	27.0	10.7	5.7
INITIAL PACEMAKER INSERTION.....	204	3.4	4.0	1.5	7.8	7.2	1.9	10.3	10.1	2.1
CAROTID ENDOARTERECTOMY.....	70	0.0	1.6	2.1	1.4	3.2	3.0	1.4	4.8	3.9
HIP REPLACEMENT/RECONSTRUCTION.....	582	3.1	3.4	0.9	6.2	6.6	1.2	8.9	8.9	1.2
OPEN REDUCTION OF HIP FRACTURE.....	518	6.2	5.6	1.2	12.4	10.7	2.2	16.2	14.1	2.6
PROSTATECTOMY.....	1,007	1.4	0.9	0.5	2.5	2.2	0.5	4.1	3.7	0.7
CHOLECYSTECTOMY.....	835	4.1	2.9	1.0	5.9	5.0	1.0	7.2	6.4	1.0
HYSTERECTOMY.....	205	1.0	0.9	0.7	2.0	1.7	1.1	2.0	2.4	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 272,672						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.07	31.23	0.11	1.06	0.00		4.62	4.67	0.04	0.99	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.10	0.97	0.02	1.12	0.02						
CONGESTIVE HEART FAILURE.....	1.90	1.90	0.03	**	**						
PNEUMONIA/INFLUENZA.....	1.55	1.43	0.02	1.09	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.66	0.64	0.02	1.05	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.47	0.48	0.01	0.97	0.03						
STROKE.....	1.11	1.03	0.02	1.07	0.02						
HIP FRACTURE.....	0.62	0.55	0.01	1.15	0.03						
SEPSIS.....	0.35	0.36	0.01	0.92	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.24	0.01	0.78	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.36	0.01	0.80	0.03						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.01	0.90	0.05						
CAROTID ENDOARTERECTOMY.....	0.10	0.13	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.38	0.01	1.10	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.01	1.08	0.05						
PROSTATECTOMY.....	0.68	0.77	0.02	0.90	0.02						
CHOLECYSTECTOMY.....	0.50	0.50	0.01	**	**						
HYSTERECTOMY.....	0.16	0.17	0.01	1.00	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

BURLINGTON, VT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,502	9.6	8.7	0.6	13.9	13.4	0.6	17.5	17.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	130	16.2	25.2	5.9	19.2	28.6	5.9	26.2	31.9	5.3
CONGESTIVE HEART FAILURE.....	143	20.3	15.8	5.3	31.5	24.4	6.5	37.1	31.5	7.4
PNEUMONIA/INFLUENZA.....	95	13.7	16.0	3.9	17.9	22.0	4.6	22.1	26.7	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	26	23.1	9.7	*	38.5	16.4	*	46.2	22.0	*
TRANSIENT CEREBRAL ISCHEMIA.....	30	3.3	1.8	*	6.7	4.1	*	6.7	6.5	*
STROKE.....	87	32.2	23.1	7.7	40.2	29.3	7.3	42.5	33.8	6.6
HIP FRACTURE.....	91	6.6	6.7	3.0	7.7	11.7	4.4	7.7	15.1	6.1
SEPSIS.....	19	15.8	24.9	*	31.6	35.3	*	31.6	42.6	*
PROCEDURES:										
ANGIOPLASTY.....	63	1.6	3.2	3.4	1.6	4.2	3.8	1.6	5.4	4.4
CORONARY ARTERY BYPASS GRAFT.....	164	3.7	5.2	2.1	7.9	7.5	2.2	8.5	8.9	2.2
INITIAL PACEMAKER INSERTION.....	29	0.0	1.8	*	3.4	3.7	*	6.9	5.7	*
CAROTID ENDARTERECTOMY.....	13	7.7	1.1	*	7.7	1.9	*	7.7	2.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	93	2.2	2.4	1.7	3.2	4.6	2.7	3.2	6.1	3.5
OPEN REDUCTION OF HIP FRACTURE.....	23	8.7	5.9	*	8.7	10.7	*	8.7	13.8	*
PROSTATECTOMY.....	102	1.0	0.9	1.8	4.9	2.3	3.2	6.9	3.8	4.7
CHOLECYSTECTOMY.....	50	0.0	2.9	*	8.0	5.2	*	8.0	6.7	*
HYSTERECTOMY.....	34	2.9	0.8	*	2.9	1.8	*	2.9	2.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 13,267						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.59	27.22	0.45	0.83	0.01		4.95	4.75	0.19	1.04	0.04
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.80	0.85	0.08	0.93	0.09						
CONGESTIVE HEART FAILURE.....	1.56	1.59	0.11	0.97	0.07						
PNEUMONIA/INFLUENZA.....	0.92	1.21	0.10	0.77	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.29	0.49	0.06	0.62	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.23	0.41	0.06	0.61	0.08						
STROKE.....	0.65	0.86	0.08	0.75	0.07						
HIP FRACTURE.....	0.66	0.64	0.07	1.02	0.11						
SEPSIS.....	0.17	0.32	0.05	0.54	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.24	0.04	0.77	0.14						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.34	0.05	1.08	0.16						
INITIAL PACEMAKER INSERTION.....	0.14	0.18	0.04	0.68	0.14						
CAROTID ENDARTERECTOMY.....	0.06	0.12	0.03	1.00	0.26						
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.43	0.06	1.18	0.16						
OPEN REDUCTION OF HIP FRACTURE.....	0.20	0.30	0.05	0.65	0.10						
PROSTATECTOMY.....	0.65	0.69	0.07	0.91	0.10						
CHOLECYSTECTOMY.....	0.32	0.42	0.06	0.75	0.10						
HYSTERECTOMY.....	0.14	0.17	0.04	0.76	0.16						

** QUANTITIES COULD NOT BE ESTIMATED

VT-(NONHSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	8,986	9.3	8.9	0.4	13.8	13.4	0.4	17.1	17.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	315	27.6	27.5	3.8	33.7	30.7	3.7	34.3	34.1	2.7
CONGESTIVE HEART FAILURE.....	468	13.7	14.2	1.7	20.9	22.0	2.5	25.9	28.6	3.8
PNEUMONIA/INFLUENZA.....	593	14.5	15.5	1.6	20.1	21.2	2.6	23.6	25.7	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	145	9.0	6.6	2.8	12.4	11.6	2.8	15.2	16.0	3.4
TRANSIENT CEREBRAL ISCHEMIA.....	117	4.3	2.2	2.0	6.0	5.0	2.6	8.5	8.2	2.6
STROKE.....	325	20.3	20.5	2.3	27.7	27.2	3.1	32.3	31.8	2.8
HIP FRACTURE.....	302	7.0	6.6	1.5	13.6	11.8	2.1	18.9	15.4	3.2
SEPSIS.....	92	18.5	23.4	8.5	25.0	29.6	7.2	26.1	35.0	7.8
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	76	1.3	3.8	3.3	7.9	6.6	3.6	10.5	9.1	3.9
CAROTID ENDOARTERECTOMY.....	10	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	166	4.2	3.8	1.7	6.6	7.1	2.3	10.8	9.4	2.9
OPEN REDUCTION OF HIP FRACTURE.....	138	4.3	5.5	2.2	12.3	10.4	3.0	18.1	13.6	4.9
PROSTATECTOMY.....	291	0.0	1.2	1.1	0.7	2.6	1.5	2.1	4.2	1.8
CHOLECYSTECTOMY.....	208	2.4	3.2	1.5	5.3	5.6	1.8	6.2	7.1	2.3
HYSTERECTOMY.....	66	0.0	1.1	1.6	0.0	1.8	2.5	1.5	2.6	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 64,086						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	24.90	28.73	0.21	0.87	0.01		4.81	4.74	0.09	1.02	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.89	0.95	0.04	0.94	0.04						
CONGESTIVE HEART FAILURE.....	1.47	1.68	0.05	0.86	0.03						
PNEUMONIA/INFLUENZA.....	1.33	1.39	0.05	0.96	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.53	0.03	0.81	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.42	0.03	0.60	0.04						
STROKE.....	0.75	0.91	0.04	0.83	0.04						
HIP FRACTURE.....	0.59	0.63	0.03	0.93	0.05						
SEPSIS.....	0.24	0.30	0.02	0.70	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.17	0.22	0.02	0.81	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.35	0.02	0.73	0.06						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.02	1.01	0.12						
CAROTID ENDOARTERECTOMY.....	0.05	0.12	0.01	1.00	0.16						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.45	0.03	0.87	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.30	0.02	0.98	0.08						
PROSTATECTOMY.....	0.69	0.77	0.03	0.91	0.04						
CHOLECYSTECTOMY.....	0.41	0.48	0.03	0.86	0.06						
HYSTERECTOMY.....	0.16	0.17	0.02	1.13	0.14						

** QUANTITIES COULD NOT BE ESTIMATED

BELLINGHAM, WA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,442	8.6	8.2	0.6	12.7	12.4	0.7	16.1	15.7	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	110	17.3	27.6	5.5	22.7	31.1	6.7	26.4	34.6	6.3
CONGESTIVE HEART FAILURE.....	94	19.1	14.0	7.2	23.4	22.2	6.5	30.9	29.0	5.2
PNEUMONIA/INFLUENZA.....	126	15.1	13.4	4.0	22.2	18.8	6.0	27.0	23.0	6.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	31	9.7	5.4	*	16.1	9.6	*	25.8	13.5	*
TRANSIENT CEREBRAL ISCHEMIA.....	27	0.0	2.0	*	0.0	4.5	*	7.4	7.2	*
STROKE.....	108	18.5	19.0	4.1	24.1	25.6	4.3	25.0	30.0	5.4
HIP FRACTURE.....	93	2.2	4.9	2.9	6.5	9.3	4.2	11.8	12.5	5.6
SEPSIS.....	25	20.0	23.9	*	24.0	31.3	*	32.0	37.9	*
PROCEDURES:										
ANGIOPLASTY.....	1	0.0	1.5	*	0.0	2.4	*	0.0	3.3	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	14	0.0	3.3	*	0.0	6.1	*	0.0	8.6	*
CAROTID ENDARTERECTOMY.....	19	0.0	1.5	*	5.3	2.9	*	5.3	4.2	*
HIP REPLACEMENT/RECONSTRUCTION.....	80	0.0	2.2	2.5	3.8	4.3	3.0	5.0	5.9	2.9
OPEN REDUCTION OF HIP FRACTURE.....	50	2.0	4.8	*	2.0	9.2	*	8.0	12.3	*
PROSTATECTOMY.....	203	0.5	0.7	1.2	1.5	1.9	1.9	3.4	3.3	1.8
CHOLECYSTECTOMY.....	51	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
HYSTERECTOMY.....	26	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,340					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	20.71	26.75	0.39	0.77	0.01	4.31	4.62	0.16	0.93	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.89	0.07	0.96	0.08					
CONGESTIVE HEART FAILURE.....	0.95	1.56	0.09	0.61	0.04					
PNEUMONIA/INFLUENZA.....	0.97	1.25	0.08	0.77	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.35	0.48	0.05	0.74	0.08					
TRANSIENT CEREBRAL ISCHEMIA.....	0.21	0.39	0.05	0.52	0.07					
STROKE.....	0.77	0.86	0.07	0.90	0.07					
HIP FRACTURE.....	0.62	0.62	0.06	0.98	0.10					
SEPSIS.....	0.16	0.31	0.04	0.55	0.08					
PROCEDURES:										
ANGIOPLASTY.....	0.07	0.25	0.04	0.31	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.37	0.05	0.99	0.13					
INITIAL PACEMAKER INSERTION.....	0.10	0.19	0.03	0.49	0.09					
CAROTID ENDARTERECTOMY.....	0.15	0.13	0.03	1.00	0.23					
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.46	0.05	1.16	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.30	0.04	1.09	0.16					
PROSTATECTOMY.....	1.25	0.81	0.07	1.53	0.13					
CHOLECYSTECTOMY.....	0.38	0.44	0.05	0.82	0.10					
HYSTERECTOMY.....	0.18	0.18	0.03	0.99	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

BREMERTON, WA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OS	PREO	SO	OS	PREO	SO	OS	PREO	SO
ALL CAUSES.....	2,976	8.4	8.3	0.5	13.4	12.9	0.8	16.7	16.6	0.7
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	109	25.7	26.3	4.2	28.4	30.0	4.6	33.0	33.5	4.6
CONGESTIVE HEART FAILURE.....	128	18.0	15.8	4.1	25.8	24.4	5.4	32.0	31.4	4.7
PNEUMONIA/INFLUENZA.....	111	18.0	15.9	4.8	30.6	22.2	7.3	34.2	26.9	7.1
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	68	16.2	5.8	5.2	19.1	10.8	6.5	23.5	15.3	6.3
TRANSIENT CEREBRAL ISCHEMIA.....	37	0.0	1.8	*	5.4	4.0	*	10.8	6.5	*
STROKE.....	114	20.2	17.5	6.3	30.7	24.7	6.3	31.6	29.1	5.2
HIP FRACTURE.....	99	4.0	6.1	3.4	8.1	11.3	3.9	14.1	14.9	3.7
SEPSIS.....	30	10.0	28.1	*	16.7	37.0	*	20.0	43.1	*
PROCEQURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	15	0.0	2.4	*	6.7	4.9	*	6.7	7.5	*
CAROTIO ENOARTERECTOMY.....	30	3.3	1.0	*	6.7	1.9	*	6.7	2.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	76	3.9	3.3	2.9	5.3	6.3	2.9	9.2	8.6	3.7
OPEN REDUCTION OF HIP FRACTURE.....	46	2.2	5.2	*	6.5	10.0	*	8.7	13.2	*
PROSTATECTOMY.....	153	0.7	0.6	0.8	2.0	1.5	1.5	2.0	2.6	1.6
CHOLECYSTECTOMY.....	72	4.2	3.4	2.5	5.6	6.2	2.9	5.6	8.0	3.8
HYSTERECTOMY.....	24	0.0	1.4	*	0.0	2.8	*	0.0	4.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 20,633									
	ADMISSION					MORTALITY				
	OS,%	PREO,%	SO,%	REL	SE	OS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	23.93	26.10	0.36	0.92	0.01	4.13	4.45	0.15	0.93	0.03
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.86	0.06	0.92	0.07					
CONGESTIVE HEART FAILURE.....	1.08	1.51	0.09	0.72	0.04					
PNEUMONIA/INFLUENZA.....	0.84	1.12	0.07	0.78	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.58	0.45	0.05	1.26	0.13					
TRANSIENT CEREBRAL ISCHEMIA.....	0.23	0.39	0.04	0.60	0.07					
STROKE.....	0.84	0.85	0.06	0.99	0.08					
HIP FRACTURE.....	0.61	0.58	0.05	1.06	0.10					
SEPSIS.....	0.26	0.31	0.04	0.90	0.12					
PROCEQURES:										
ANGIOPLASTY.....	0.15	0.26	0.04	0.64	0.09					
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.38	0.04	1.11	0.13					
INITIAL PACEMAKER INSERTION.....	0.11	0.19	0.03	1.00	0.17					
CAROTIO ENOARTERECTOMY.....	0.19	0.13	0.03	1.00	0.21					
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.44	0.05	1.18	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.28	0.04	1.05	0.14					
PROSTATECTOMY.....	0.98	0.80	0.06	1.23	0.10					
CHOLECYSTECTOMY.....	0.45	0.42	0.04	1.07	0.12					
HYSTERECTOMY.....	0.14	0.17	0.03	0.77	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

OLYMPIA, WA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,796	10.1	8.9	0.8	14.5	13.5	0.8	17.5	17.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	154	20.1	25.7	4.5	25.3	29.1	4.0	26.6	32.4	4.5
CONGESTIVE HEART FAILURE.....	159	14.5	15.7	3.6	23.3	24.0	5.0	27.0	30.8	7.3
PNEUMONIA/INFLUENZA.....	157	15.3	14.9	3.2	26.1	20.3	4.8	31.2	24.7	5.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	61	16.4	9.5	6.2	23.0	16.0	7.8	31.1	21.3	9.3
TRANSIENT CEREBRAL ISCHEMIA.....	36	0.0	1.8	*	2.8	4.1	*	2.8	6.4	*
STROKE.....	138	16.7	22.0	4.7	22.5	29.3	6.2	26.8	34.0	6.7
HIP FRACTURE.....	115	9.6	6.3	4.7	13.0	11.2	3.6	15.7	14.5	3.6
SEPSIS.....	18	33.3	24.4	*	38.9	30.8	*	44.4	35.9	*
PROCEDURES:										
ANGIOPLASTY.....	4	0.0	9.8	*	0.0	10.7	*	0.0	12.0	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	20	0.0	2.4	*	5.0	4.7	*	5.0	7.0	*
CAROTID ENDOARTERECTOMY.....	38	2.6	1.3	*	2.6	2.3	*	2.6	3.3	*
HIP REPLACEMENT/RECONSTRUCTION.....	106	3.8	2.5	2.1	4.7	4.9	2.2	6.6	6.5	2.4
OPEN REDUCTION OF HIP FRACTURE.....	50	10.0	6.1	*	14.0	11.0	*	16.0	14.3	*
PROSTATECTOMY.....	158	0.6	0.7	0.8	0.6	1.8	2.0	2.5	3.0	1.9
CHOLECYSTECTOMY.....	83	6.0	2.6	3.3	8.4	4.8	4.2	9.6	6.4	5.6
HYSTERECTOMY.....	37	0.0	1.3	*	0.0	2.6	*	0.0	3.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 20,281										
	ADMISSION						MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.87	26.18	0.36	0.91	0.01		4.32	4.43	0.15	0.97	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.03	0.86	0.06	1.19	0.09						
CONGESTIVE HEART FAILURE.....	1.11	1.51	0.09	0.74	0.04						
PNEUMONIA/INFLUENZA.....	0.96	1.14	0.07	0.86	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.48	0.05	0.95	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.39	0.04	0.52	0.06						
STROKE.....	0.69	0.84	0.06	0.82	0.06						
HIP FRACTURE.....	0.61	0.57	0.05	1.07	0.10						
SEPSIS.....	0.17	0.31	0.04	0.55	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.35	0.27	0.04	1.30	0.18						
CORONARY ARTERY BYPASS GRAFT.....	0.50	0.38	0.04	1.37	0.16						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.03	0.64	0.11						
CAROTID ENDOARTERECTOMY.....	0.18	0.13	0.03	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.55	0.43	0.05	1.28	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.28	0.04	1.00	0.14						
PROSTATECTOMY.....	0.78	0.79	0.06	1.01	0.08						
CHOLECYSTECTOMY.....	0.39	0.43	0.05	0.90	0.10						
HYSTERECTOMY.....	0.18	0.18	0.03	1.01	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

RICHLAND-KENNEWICK, WA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,265	10.2	9.4	0.8	15.0	13.8	1.1	17.8	17.3	0.9
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	92	18.5	24.0	5.5	19.6	27.1	6.1	20.7	30.3	7.2
CONGESTIVE HEART FAILURE.....	121	10.7	13.8	4.1	24.0	20.7	4.8	30.6	27.0	6.5
PNEUMONIA/INFLUENZA.....	98	19.4	15.0	7.1	25.5	20.9	6.1	27.6	25.5	5.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	53	3.8	7.3	4.0	7.5	13.0	5.9	9.4	17.9	7.0
TRANSIENT CEREBRAL ISCHEMIA.....	19	5.3	1.7	*	5.3	3.7	*	5.3	5.9	*
STROKE.....	99	24.2	21.9	4.9	31.3	27.9	5.9	34.3	32.4	5.2
HIP FRACTURE.....	65	6.2	6.1	3.6	12.3	10.9	4.2	16.9	14.1	6.3
SEPSIS.....	19	26.3	35.4	*	36.8	42.8	*	42.1	48.6	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	10									
INITIAL PACEMAKER INSERTION.....	13	7.7	3.6	*	7.7	6.2	*	7.7	8.6	*
CAROTID ENDARTERECTOMY.....	17	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	51	3.9	2.6	2.5	3.9	4.9	3.2	5.9	6.5	3.6
OPEN REDUCTION OF HIP FRACTURE.....	35	2.9	6.1	*	11.4	11.4	*	17.1	14.8	*
PROSTATECTOMY.....	106	0.9	0.4	1.0	0.9	1.0	1.3	0.9	1.8	1.8
CHOLECYSTECTOMY.....	54	1.9	1.6	2.5	1.9	2.9	3.3	1.9	3.8	3.6
HYSTERECTOMY.....	34	0.0	0.5	*	2.9	1.1	*	2.9	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,426						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.71	25.70	0.40	0.92	0.01		4.18	4.20	0.16	1.00	0.04
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.02	0.84	0.07	1.26	0.11						
CONGESTIVE HEART FAILURE.....	1.31	1.47	0.09	0.90	0.06						
PNEUMONIA/INFLUENZA.....	0.80	1.05	0.08	0.77	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.47	0.05	1.16	0.13						
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.38	0.05	0.55	0.07						
STROKE.....	0.81	0.83	0.07	0.96	0.08						
HIP FRACTURE.....	0.53	0.52	0.06	1.02	0.11						
SEPSIS.....	0.25	0.30	0.04	0.83	0.12						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.29	0.04	0.98	0.15						
CORONARY ARTERY BYPASS GRAFT.....	0.56	0.40	0.05	1.40	0.18						
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.03	0.73	0.14						
CAROTID ENDARTERECTOMY.....	0.23	0.14	0.03	1.00	0.22						
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.41	0.05	1.20	0.15						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.26	0.04	1.08	0.17						
PROSTATECTOMY.....	0.83	0.83	0.07	1.01	0.09						
CHOLECYSTECTOMY.....	0.46	0.43	0.05	1.03	0.13						
HYSTERECTOMY.....	0.21	0.17	0.03	1.20	0.24						

** QUANTITIES COULD NOT BE ESTIMATED

SEATTLE, WA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OS	PRED	SD	OS	PRED	SD	OS	PRED	SD
ALL CAUSES.....	39,859	8.6	8.3	0.1	13.3	12.7	0.3	16.7	16.3	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,152	24.4	25.3	1.4	28.3	28.7	1.4	30.6	32.0	1.5
CONGESTIVE HEART FAILURE.....	1,694	14.5	15.1	1.2	23.4	23.4	1.4	30.6	30.3	1.2
PNEUMONIA/INFLUENZA.....	1,381	14.2	15.3	1.3	20.5	21.2	1.6	24.8	25.7	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	624	12.2	7.1	1.5	18.3	12.6	1.9	23.9	17.5	2.1
TRANSIENT CEREBRAL ISCHEMIA.....	410	2.0	1.7	0.8	3.4	3.8	1.2	4.4	6.0	1.7
STROKE.....	1,512	20.9	20.2	1.2	27.5	26.7	1.3	31.0	31.2	1.3
HIP FRACTURE.....	1,217	6.7	6.5	0.8	11.5	11.7	1.0	14.8	15.2	1.1
SEPSIS.....	303	22.1	24.4	3.0	30.7	32.5	3.9	36.6	38.8	4.0
PROCEDURES:										
ANGIOPLASTY.....	478	4.2	3.2	1.4	5.0	4.1	1.6	6.3	5.2	1.9
CORONARY ARTERY BYPASS GRAFT.....	823	6.1	5.3	0.9	8.0	7.6	1.2	8.4	9.2	1.1
INITIAL PACEMAKER INSERTION.....	220	3.2	2.8	1.4	5.0	5.4	1.6	7.7	7.9	1.9
CARDIAC ENDARTERECTOMY.....	358	1.1	1.4	0.8	1.4	2.6	1.1	3.1	3.8	1.1
HIP REPLACEMENT/RECONSTRUCTION.....	1,161	3.1	2.5	0.8	5.2	4.7	0.8	6.7	6.4	1.0
OPEN REDUCTION OF HIP FRACTURE.....	577	5.9	6.1	1.0	10.7	11.4	1.7	13.5	15.0	2.7
PROSTATECTOMY.....	1,686	0.8	0.7	0.2	1.7	1.8	0.3	3.0	3.0	0.4
CHOLECYSTECTOMY.....	764	2.2	2.6	0.9	3.7	4.8	1.3	5.0	6.4	1.4
HYSTERECTOMY.....	421	0.5	0.8	0.6	1.2	1.7	1.0	1.9	2.6	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 227,354					MORTALITY				
	ADMISSION									
	OS, %	PRED, %	SD, %	REL	SE	OS, %	PRED, %	SD, %	REL	SE
ALL CAUSES.....	23.36	25.59	0.11	0.91	0.00	4.37	4.54	0.04	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.72	0.79	0.02	0.91	0.02					
CONGESTIVE HEART FAILURE.....	1.26	1.49	0.03	0.85	0.01					
PNEUMONIA/INFLUENZA.....	0.87	1.05	0.02	0.83	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.44	0.41	0.01	1.07	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.37	0.01	0.67	0.02					
STROKE.....	0.85	0.84	0.02	1.01	0.02					
HIP FRACTURE.....	0.65	0.60	0.02	1.07	0.03					
SEPSIS.....	0.21	0.32	0.01	0.65	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.27	0.26	0.01	1.03	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.36	0.01	1.02	0.04					
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.01	0.64	0.03					
CARDIAC ENDARTERECTOMY.....	0.18	0.12	0.01	1.00	0.06					
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.44	0.01	1.22	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.29	0.01	1.03	0.04					
PROSTATECTOMY.....	0.78	0.76	0.02	1.03	0.02					
CHOLECYSTECTOMY.....	0.37	0.38	0.01	0.98	0.03					
HYSTERECTOMY.....	0.18	0.17	0.01	1.06	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

SPOKANE, WA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	11,189	9.2	8.4	0.4	13.1	12.7	0.3	16.4	16.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	475	22.1	23.3	2.7	25.5	26.5	2.9	28.2	29.7	2.8
CONGESTIVE HEART FAILURE.....	474	15.4	14.4	1.7	25.5	22.4	2.2	35.7	29.1	3.0
PNEUMONIA/INFLUENZA.....	429	15.2	14.5	1.9	21.2	19.9	2.2	25.2	24.2	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	240	12.1	7.2	2.9	18.3	12.6	3.6	22.5	17.3	3.7
TRANSIENT CEREBRAL ISCHEMIA.....	113	1.8	1.8	1.6	5.3	4.0	2.2	7.1	6.3	2.6
STROKE.....	382	22.8	19.5	3.0	27.5	26.3	2.5	31.2	30.8	2.4
HIP FRACTURE.....	324	5.2	6.5	2.5	11.1	11.9	3.0	14.2	15.6	2.7
SEPSIS.....	100	18.0	21.1	4.7	25.0	28.7	5.4	33.0	34.6	4.9
PROCEDURES:										
ANGIOPLASTY.....	260	1.9	2.7	1.5	2.7	3.6	1.4	3.5	4.6	1.6
CORONARY ARTERY BYPASS GRAFT.....	494	6.5	4.8	1.9	9.5	7.0	2.2	10.3	8.5	2.0
INITIAL PACEMAKER INSERTION.....	111	0.9	2.7	2.4	1.8	5.1	3.9	4.5	7.4	5.0
CAROTIO ENDARTERECTOMY.....	125	1.6	1.4	1.1	2.4	2.6	1.6	2.4	3.8	2.2
HIP REPLACEMENT/RECONSTRUCTION.....	319	3.4	2.4	1.2	4.7	4.6	1.8	7.8	6.3	2.3
OPEN REDUCTION OF HIP FRACTURE.....	119	1.7	6.2	3.2	10.1	11.5	4.1	13.4	15.2	3.4
PROSTATECTOMY.....	558	1.1	0.8	0.5	2.0	1.9	0.6	3.4	3.2	0.9
CHOLECYSTECTOMY.....	196	1.5	2.5	1.5	3.1	4.6	2.0	5.1	6.0	2.2
HYSTERECTOMY.....	120	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 53,832					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.65	27.81	0.23	0.81	0.01	4.54	4.68	0.09	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.83	0.91	0.04	0.91	0.04					
CONGESTIVE HEART FAILURE.....	1.22	1.64	0.05	0.74	0.02					
PNEUMONIA/INFLUENZA.....	1.03	1.32	0.05	0.77	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.61	0.53	0.03	1.15	0.07					
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.41	0.03	0.61	0.04					
STROKE.....	0.81	0.88	0.04	0.91	0.04					
HIP FRACTURE.....	0.64	0.63	0.03	1.03	0.06					
SEPSIS.....	0.26	0.32	0.02	0.81	0.06					
PROCEDURES:										
ANGIOPLASTY.....	0.25	0.24	0.02	0.98	0.09					
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.36	0.03	1.22	0.09					
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.02	0.71	0.07					
CAROTIO ENDARTERECTOMY.....	0.20	0.13	0.02	1.00	0.13					
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.44	0.03	1.22	0.08					
OPEN REDUCTION OF HIP FRACTURE.....	0.22	0.30	0.02	0.75	0.06					
PROSTATECTOMY.....	0.91	0.76	0.04	1.20	0.06					
CHOLECYSTECTOMY.....	0.36	0.45	0.03	0.80	0.05					
HYSTERECTOMY.....	0.21	0.18	0.02	1.11	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

TACOMA, WA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	9,635	10.5	8.8	0.5	15.0	13.3	0.6	18.4	16.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	295	28.1	25.1	3.2	32.5	28.3	3.6	37.3	31.5	4.3
CONGESTIVE HEART FAILURE.....	446	18.4	14.5	2.5	26.7	22.3	2.9	35.0	28.9	3.7
PNEUMONIA/INFLUENZA.....	389	18.5	16.0	3.4	25.4	21.8	4.1	29.8	26.4	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	184	12.5	7.6	3.0	20.1	13.5	3.8	27.2	18.6	4.8
TRANSIENT CEREBRAL ISCHEMIA.....	98	1.0	2.1	2.0	6.1	4.6	2.4	11.2	7.3	3.6
STROKE.....	418	21.5	21.6	2.3	26.8	28.1	3.0	30.9	32.6	3.7
HIP FRACTURE.....	331	10.6	6.7	2.7	14.8	12.0	2.9	18.4	15.6	2.7
SEPSIS.....	99	27.3	23.2	7.0	34.3	30.5	6.2	40.4	36.3	6.1
PROCEDURES:										
ANGIOPLASTY.....	127	0.0	2.5	2.8	0.0	3.6	3.7	1.6	4.9	3.4
CORONARY ARTERY BYPASS GRAFT.....	249	7.6	4.7	2.1	9.6	6.8	2.2	10.0	8.2	2.3
INITIAL PACEMAKER INSERTION.....	78	0.0	3.5	3.8	0.0	6.5	6.3	2.6	9.3	6.4
CAROTID ENDOARTERECTOMY.....	68	0.0	1.5	*	0.0	3.0	*	0.0	4.5	*
HIP REPLACEMENT/RECONSTRUCTION.....	296	4.4	3.0	1.4	7.8	5.7	2.1	9.5	7.8	2.0
OPEN REDUCTION OF HIP FRACTURE.....	150	11.3	6.3	3.4	13.3	11.8	3.2	16.7	15.5	3.1
PROSTATECTOMY.....	409	1.0	1.0	0.5	2.2	2.4	0.8	4.6	3.9	1.2
CHOLECYSTECTOMY.....	212	4.7	2.2	1.7	5.7	3.9	1.7	6.1	5.2	1.7
HYSTERECTOMY.....	112	0.9	0.7	0.8	0.9	1.4	1.2	0.9	2.0	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 67,140						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SD,%	REL	SE		OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	21.16	27.80	0.20	0.76	0.01		4.58	4.58	0.08	**	**
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.69	0.89	0.04	0.78	0.03						
CONGESTIVE HEART FAILURE.....	1.12	1.65	0.05	0.68	0.02						
PNEUMONIA/INFLUENZA.....	0.90	1.25	0.04	0.71	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.54	0.03	0.89	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.20	0.41	0.02	0.50	0.03						
STROKE.....	0.81	0.88	0.04	0.92	0.04						
HIP FRACTURE.....	0.62	0.58	0.03	1.06	0.05						
SEPSIS.....	0.21	0.33	0.02	0.63	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.27	0.02	0.67	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.36	0.02	1.04	0.07						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.02	0.84	0.07						
CAROTID ENDOARTERECTOMY.....	0.14	0.14	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.42	0.02	1.23	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.28	0.02	1.01	0.07						
PROSTATECTOMY.....	0.76	0.76	0.03	**	**						
CHOLECYSTECTOMY.....	0.39	0.45	0.03	0.87	0.05						
HYSTERECTOMY.....	0.18	0.18	0.02	1.01	0.09						

** QUANTITIES COULD NOT BE ESTIMATED

VANCOUVER, WA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	2,840	10.4	9.2	0.7	15.0	13.8	1.0	17.5	17.4	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	117	29.9	26.1	4.3	33.3	29.5	4.6	34.2	32.9	4.4
CONGESTIVE HEART FAILURE.....	144	13.2	14.6	3.8	28.5	22.5	4.6	35.4	29.2	5.5
PNEUMONIA/INFLUENZA.....	107	10.3	16.3	5.4	20.6	22.2	4.9	22.4	26.7	6.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	34	14.7	9.3	*	17.6	15.7	*	23.5	20.9	*
TRANSIENT CEREBRAL ISCHEMIA.....	42	0.0	2.2	*	0.0	5.0	*	4.8	8.0	*
STROKE.....	144	19.4	18.7	3.3	24.3	25.4	4.3	26.4	29.6	5.2
HIP FRACTURE.....	100	5.0	6.9	2.8	7.0	12.2	4.5	9.0	15.8	5.2
SEPSIS.....	24	25.0	20.8	*	29.2	27.3	*	33.3	32.2	*
PROCEDURES:										
ANGIOPLASTY.....	4	0.0	8.4	*	0.0	9.5	*	0.0	10.8	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	9	0.0	2.1	*	0.0	4.5	*	0.0	6.8	*
CAROTID ENDOARTERECTOMY.....	23	4.3	1.7	*	8.7	3.4	*	8.7	5.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	54	1.9	3.5	2.9	3.7	6.4	4.7	3.7	8.4	5.4
OPEN REDUCTION OF HIP FRACTURE.....	42	2.4	6.0	*	2.4	10.9	*	7.1	14.2	*
PROSTATECTOMY.....	128	0.8	0.7	0.7	2.3	1.7	1.3	3.1	2.9	1.5
CHOLECYSTECTOMY.....	78	1.3	2.6	2.4	1.3	4.6	3.8	3.8	5.9	4.0
HYSTERECTOMY.....	36	0.0	0.8	*	0.0	1.6	*	2.8	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 27,739									
	ADMISSION					MORTALITY				
	OBS,%	PREO,%	SD,%	REL	SE	OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	22.45	26.37	0.31	0.85	0.01	4.26	4.37	0.13	0.98	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.93	0.86	0.06	1.08	0.07					
CONGESTIVE HEART FAILURE.....	1.06	1.53	0.07	0.70	0.03					
PNEUMONIA/INFLUENZA.....	0.85	1.13	0.06	0.75	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.28	0.49	0.04	0.58	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.38	0.04	0.66	0.06					
STROKE.....	0.87	0.84	0.05	1.03	0.07					
HIP FRACTURE.....	0.57	0.56	0.04	1.02	0.08					
SEPSIS.....	0.19	0.30	0.03	0.63	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.21	0.27	0.03	0.80	0.09					
CORONARY ARTERY BYPASS GRAFT.....	0.47	0.38	0.04	1.21	0.12					
INITIAL PACEMAKER INSERTION.....	0.08	0.19	0.03	0.43	0.06					
CAROTID ENDOARTERECTOMY.....	0.16	0.14	0.02	1.00	0.16					
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.42	0.04	0.96	0.09					
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.27	0.03	0.86	0.10					
PROSTATECTOMY.....	0.72	0.79	0.05	0.92	0.06					
CHOLECYSTECTOMY.....	0.49	0.44	0.04	1.11	0.10					
HYSTERECTOMY.....	0.17	0.18	0.02	0.96	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

YAKIMA, WA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,654	9.6	9.2	0.5	14.0	13.8	0.5	16.9	17.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	174	29.3	27.7	3.7	30.5	30.7	3.8	33.3	33.9	3.6
CONGESTIVE HEART FAILURE.....	214	15.9	15.3	2.5	25.7	23.1	3.3	35.0	29.8	4.8
PNEUMONIA/INFLUENZA.....	220	15.5	15.8	2.8	19.1	21.5	4.3	23.6	26.0	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	92	13.0	8.9	4.1	18.5	15.0	4.1	19.6	20.1	4.2
TRANSIENT CEREBRAL ISCHEMIA.....	26	3.8	2.4	*	3.8	5.4	*	7.7	8.6	*
STROKE.....	167	28.7	21.9	5.8	35.3	28.0	6.0	38.3	32.6	5.5
HIP FRACTURE.....	121	7.4	6.3	2.9	11.6	11.1	3.9	13.2	14.5	4.7
SEPSIS.....	48	27.1	21.3	*	33.3	29.0	*	37.5	34.8	*
PROCEDURES:										
ANGIOPLASTY.....	43	2.3	2.6	*	4.7	3.4	*	7.0	4.3	*
CORONARY ARTERY BYPASS GRAFT.....	39	7.7	5.6	*	7.7	7.5	*	10.3	8.7	*
INITIAL PACEMAKER INSERTION.....	30	3.3	3.8	*	16.7	7.1	*	16.7	10.2	*
CAROTID ENDOARTERECTOMY.....	9	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION.....	113	0.9	2.6	2.2	2.7	5.0	3.4	3.5	7.0	4.0
OPEN REDUCTION OF HIP FRACTURE.....	59	10.2	5.8	5.7	13.6	10.8	6.3	15.3	14.3	6.4
PROSTATECTOMY.....	380	0.8	0.8	0.5	1.3	2.0	0.9	1.3	3.4	1.4
CHOLECYSTECTOMY.....	118	2.5	3.0	1.6	4.2	5.6	3.0	5.1	7.4	3.9
HYSTERECTOMY.....	51	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 27,063						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.46	27.77	0.32	0.88	0.01		4.41	4.55	0.13	0.97	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.95	0.06	0.98	0.06						
CONGESTIVE HEART FAILURE.....	1.25	1.63	0.08	0.77	0.04						
PNEUMONIA/INFLUENZA.....	1.20	1.33	0.07	0.91	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.55	0.52	0.04	1.04	0.09						
TRANSIENT CEREBRAL ISCHEMIA.....	0.14	0.41	0.04	0.34	0.03						
STROKE.....	0.83	0.90	0.06	0.94	0.06						
HIP FRACTURE.....	0.55	0.60	0.05	0.90	0.07						
SEPSIS.....	0.26	0.31	0.03	0.89	0.10						
PROCEDURES:											
ANGIOPLASTY.....	0.25	0.26	0.03	0.95	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.39	0.04	0.74	0.07						
INITIAL PACEMAKER INSERTION.....	0.14	0.20	0.03	0.61	0.09						
CAROTID ENDOARTERECTOMY.....	0.06	0.14	0.02	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.49	0.45	0.04	1.05	0.10						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.03	1.00	0.12						
PROSTATECTOMY.....	1.47	0.84	0.06	1.75	0.12						
CHOLECYSTECTOMY.....	0.54	0.48	0.04	1.17	0.11						
HYSTERECTOMY.....	0.21	0.18	0.03	1.21	0.19						

** QUANTITIES COULD NOT BE ESTIMATED

WA-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	19,003	9.7	8.8	0.3	14.1	13.3	0.3	17.6	16.8	0.3
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	713	25.4	26.3	1.8	28.6	29.6	2.3	30.9	33.0	2.8
CONGESTIVE HEART FAILURE.....	962	16.9	14.8	1.8	23.1	22.7	1.4	29.8	29.4	1.5
PNEUMONIA/INFLUENZA.....	1,108	12.5	15.1	1.3	19.9	20.9	1.3	25.5	25.4	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	413	11.1	8.0	1.9	16.5	13.8	2.1	22.3	18.9	2.3
TRANSIENT CEREBRAL ISCHEMIA.....	223	3.1	1.8	1.3	7.2	4.2	2.4	9.9	6.7	3.0
STROKE.....	776	20.4	19.7	2.4	27.3	26.3	1.8	31.2	30.8	1.7
HIP FRACTURE.....	599	8.0	6.2	2.2	13.0	11.3	2.3	15.4	14.7	1.9
SEPSIS.....	164	23.8	27.2	6.1	32.9	35.5	7.5	38.4	42.0	7.2
PROCEURES:										
ANGIOPLASTY.....	1	0.0	9.7	*	0.0	10.8	*	0.0	12.2	*
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	87	3.4	4.1	2.4	3.4	7.4	4.0	4.6	10.3	5.4
CAROTID ENOARTERECTOMY.....	102	0.0	1.3	1.9	1.0	2.4	2.8	3.9	3.5	2.6
HIP REPLACEMENT/RECONSTRUCTION.....	485	3.7	2.7	1.4	7.0	5.3	1.8	8.0	7.2	1.5
OPEN REDUCTION OF HIP FRACTURE.....	300	8.3	5.5	2.9	12.0	10.4	2.7	14.0	13.8	2.2
PROSTATECTOMY.....	864	0.5	0.7	0.3	1.6	1.6	0.5	2.9	2.8	0.6
CHOLECYSTECTOMY.....	539	2.2	2.2	0.7	3.5	3.9	1.4	5.4	5.1	1.1
HYSTERECTOMY.....	210	0.5	0.5	0.5	1.4	1.1	0.8	1.9	1.6	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 150,957						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.98	26.89	0.13	0.93	0.00		4.35	4.40	0.05	0.99	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.94	0.93	0.02	1.01	0.03						
CONGESTIVE HEART FAILURE.....	1.29	1.56	0.03	0.83	0.02						
PNEUMONIA/INFLUENZA.....	1.16	1.26	0.03	0.92	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.52	0.52	0.02	0.97	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.41	0.02	0.61	0.03						
STROKE.....	0.82	0.86	0.02	0.93	0.03						
HIP FRACTURE.....	0.58	0.56	0.02	1.06	0.04						
SEPSIS.....	0.21	0.30	0.01	0.69	0.03						
PROCEURES:											
ANGIOPLASTY.....	0.26	0.28	0.01	0.87	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.40	0.02	1.06	0.04						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.01	0.70	0.05						
CAROTID ENOARTERECTOMY.....	0.19	0.14	0.01	1.00	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.44	0.02	1.20	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.01	1.06	0.06						
PROSTATECTOMY.....	0.98	0.88	0.02	1.11	0.03						
CHOLECYSTECTOMY.....	0.51	0.47	0.02	1.07	0.04						
HYSTERECTOMY.....	0.21	0.18	0.01	1.23	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

APPLETON-OSHKOSH-NEENAH, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	8,963	8.0	7.9	0.4	12.1	12.2	0.3	15.0	15.6	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	295	24.4	25.5	2.7	27.8	29.0	3.1	29.5	32.4	3.4
CONGESTIVE HEART FAILURE.....	427	15.2	14.8	1.8	23.0	23.2	2.1	30.4	30.2	2.2
PNEUMONIA/INFLUENZA.....	341	16.4	16.4	2.6	23.2	22.3	2.4	26.1	26.9	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	62	11.3	6.7	4.1	21.0	11.4	6.5	27.4	15.7	8.4
TRANSIENT CEREBRAL ISCHEMIA.....	102	0.0	1.8	3.0	3.9	4.0	2.2	6.9	6.4	2.5
STROKE.....	310	18.7	20.2	3.1	28.1	26.8	2.6	29.4	31.2	2.8
HIP FRACTURE.....	223	7.2	6.2	1.9	11.7	11.2	2.2	14.8	14.6	2.5
SEPSIS.....	91	29.7	26.5	4.9	35.2	34.0	5.2	35.2	40.4	5.6
PROCEDURES:										
ANGIOPLASTY.....	111	4.5	3.3	2.0	5.4	4.1	2.3	6.3	5.1	3.0
CORONARY ARTERY BYPASS GRAFT.....	209	5.7	5.3	2.5	6.7	7.7	2.9	6.7	9.2	3.2
INITIAL PACEMAKER INSERTION.....	61	4.9	4.1	2.8	6.6	7.5	4.0	9.8	10.5	4.0
CAROTID ENDARTERECTOMY.....	40	0.0	1.4	*	2.5	2.5	*	5.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	257	2.3	1.9	1.2	4.3	3.6	2.1	4.3	4.9	2.2
OPEN REDUCTION OF HIP FRACTURE.....	104	5.8	5.4	2.3	8.7	10.1	3.3	13.5	13.3	3.3
PROSTATECTOMY.....	370	0.3	1.4	0.8	1.4	3.0	1.2	3.0	4.8	1.5
CHOLECYSTECTOMY.....	212	1.4	2.3	1.4	2.4	4.0	2.1	2.4	5.2	2.6
HYSTERECTOMY.....	108	0.9	0.6	1.0	2.8	1.4	1.8	3.7	2.2	3.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 43,148										
	ADMISSION						MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.02	27.23	0.25	0.99	0.01		4.42	4.71	0.10	0.94	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.90	0.05	0.96	0.05						
CONGESTIVE HEART FAILURE.....	1.53	1.60	0.06	0.95	0.04						
PNEUMONIA/INFLUENZA.....	1.12	1.26	0.05	0.90	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.24	0.48	0.03	0.51	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.40	0.03	0.82	0.06						
STROKE.....	0.90	0.88	0.04	1.04	0.05						
HIP FRACTURE.....	0.54	0.64	0.04	0.87	0.05						
SEPSIS.....	0.33	0.31	0.03	1.04	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.32	0.23	0.02	1.43	0.15						
CORONARY ARTERY BYPASS GRAFT.....	0.43	0.36	0.03	1.17	0.10						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.02	0.89	0.10						
CAROTID ENDARTERECTOMY.....	0.10	0.12	0.02	1.00	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.46	0.03	1.10	0.08						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.30	0.03	0.84	0.08						
PROSTATECTOMY.....	0.98	0.77	0.04	1.25	0.07						
CHOLECYSTECTOMY.....	0.54	0.44	0.03	1.23	0.09						
HYSTERECTOMY.....	0.27	0.18	0.02	1.51	0.19						

** QUANTITIES COULD NOT BE ESTIMATED

EAU CLAIRE, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,334	8.0	7.8	0.5	11.8	12.1	0.6	14.7	15.5	0.6
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	200	27.0	24.5	4.6	30.0	28.2	4.0	31.5	31.8	3.7
CONGESTIVE HEART FAILURE.....	210	14.3	14.1	2.5	21.9	21.8	3.2	28.6	28.4	3.1
PNEUMONIA/INFLUENZA.....	215	11.6	14.1	3.5	17.2	19.3	3.6	21.9	23.7	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	64	9.4	5.8	3.5	18.8	10.4	5.9	25.0	14.6	6.7
TRANSIENT CEREBRAL ISCHEMIA.....	71	2.8	1.9	2.0	2.8	4.3	2.8	5.6	6.9	3.7
STROKE.....	222	20.7	21.9	2.9	26.6	28.4	3.3	28.8	33.0	4.4
HIP FRACTURE.....	152	3.9	5.9	2.4	7.2	10.8	4.2	9.9	14.2	5.0
SEPSIS.....	45	26.7	27.2	*	33.3	36.3	*	40.0	43.1	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	30	0.0	2.7	*	3.3	5.3	*	6.7	7.7	*
CAROTIO ENDARTERECTOMY.....	16	0.0	1.4	*	6.3	2.5	*	6.3	3.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	148	2.0	2.2	1.2	5.4	4.4	2.0	7.4	6.1	2.4
OPEN REDUCTION OF HIP FRACTURE.....	61	1.6	5.4	3.7	1.6	10.4	5.9	4.9	13.9	6.8
PROSTATECTOMY.....	164	0.0	1.0	*	0.6	2.4	*	0.6	4.2	*
CHOLECYSTECTOMY.....	82	1.2	1.7	1.5	2.4	2.8	1.9	2.4	3.6	2.3
HYSTERECTOMY.....	44	2.3	0.5	*	2.3	1.1	*	2.3	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 20,919						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.67	28.00	0.37	1.06	0.01		4.35	4.73	0.15	0.92	0.03
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.15	0.92	0.07	1.24	0.09						
CONGESTIVE HEART FAILURE.....	1.48	1.62	0.09	0.92	0.05						
PNEUMONIA/INFLUENZA.....	1.20	1.43	0.08	0.84	0.05						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.54	0.05	0.78	0.08						
TRANSIENT CEREBRAL ISCHEMIA.....	0.38	0.40	0.04	0.89	0.10						
STROKE.....	1.04	0.88	0.06	1.17	0.09						
HIP FRACTURE.....	0.67	0.63	0.05	1.07	0.09						
SEPSIS.....	0.28	0.31	0.04	0.91	0.12						
PROCEQUIRES:											
ANGIOPLASTY.....	0.13	0.23	0.03	0.62	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.32	0.35	0.04	0.90	0.11						
INITIAL PACEMAKER INSERTION.....	0.11	0.18	0.03	0.66	0.12						
CAROTIO ENDARTERECTOMY.....	0.09	0.12	0.03	1.00	0.22						
HIP REPLACEMENT/RECONSTRUCTION.....	0.58	0.45	0.05	1.34	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.30	0.04	0.89	0.12						
PROSTATECTOMY.....	0.70	0.76	0.06	0.92	0.07						
CHOLECYSTECTOMY.....	0.42	0.46	0.05	0.92	0.10						
HYSTERECTOMY.....	0.19	0.18	0.03	0.99	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

GREEN BAY, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,641	7.1	7.3	0.4	10.6	11.2	0.6	13.7	14.4	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	207	27.1	26.8	3.2	29.0	30.3	3.4	32.9	33.7	3.6
CONGESTIVE HEART FAILURE.....	316	13.0	14.5	2.5	23.1	22.4	2.4	32.0	29.0	3.4
PNEUMONIA/INFLUENZA.....	170	15.3	15.4	2.8	20.6	21.3	3.9	21.8	25.9	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	54	7.4	6.5	3.4	9.3	11.3	5.0	11.1	15.7	8.0
TRANSIENT CEREBRAL ISCHEMIA.....	85	0.0	1.6	1.8	3.5	3.6	2.9	3.5	5.8	3.6
STROKE.....	253	17.8	19.2	3.1	23.3	25.9	4.5	27.3	30.3	5.8
HIP FRACTURE.....	161	8.7	6.6	2.8	11.2	11.6	2.6	14.9	14.9	2.8
SEPSIS.....	54	18.5	19.6	7.7	20.4	27.0	8.8	22.2	32.4	11.3
PROCEDURES:										
ANGIOPLASTY.....	90	0.0	2.5	3.5	1.1	3.5	4.0	2.2	4.7	4.3
CORONARY ARTERY BYPASS GRAFT.....	131	7.6	5.1	2.9	8.4	7.1	2.7	8.4	8.4	2.9
INITIAL PACEMAKER INSERTION.....	49	4.1	2.9	*	4.1	5.6	*	4.1	8.1	*
CAROTID ENDARTERECTOMY.....	57	3.5	1.4	2.7	5.3	2.7	3.2	5.3	4.1	4.1
HIP REPLACEMENT/RECONSTRUCTION.....	215	2.8	1.7	1.2	3.7	3.1	1.3	3.7	4.1	1.5
OPEN REDUCTION OF HIP FRACTURE.....	55	10.9	6.1	4.7	10.9	11.1	5.7	18.2	14.5	5.9
PROSTATECTOMY.....	260	0.8	0.9	0.7	2.3	2.1	0.9	3.1	3.6	1.3
CHOLECYSTECTOMY.....	120	1.7	3.6	1.9	2.5	6.4	2.9	3.3	8.5	3.7
HYSTERECTOMY.....	62	0.0	0.6	2.1	1.6	1.3	2.8	3.2	2.1	3.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 23,555					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.19	26.70	0.34	0.98	0.01	4.22	4.61	0.14	0.91	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.83	0.87	0.06	0.96	0.07					
CONGESTIVE HEART FAILURE.....	1.58	1.58	0.08	**	**					
PNEUMONIA/INFLUENZA.....	0.85	1.24	0.07	0.68	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.35	0.48	0.05	0.72	0.07					
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.42	0.04	0.91	0.09					
STROKE.....	1.01	0.86	0.06	1.18	0.08					
HIP FRACTURE.....	0.58	0.63	0.05	0.91	0.08					
SEPSIS.....	0.24	0.30	0.04	0.80	0.10					
PROCEDURES:										
ANGIOPLASTY.....	0.20	0.22	0.03	0.90	0.13					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.34	0.04	0.97	0.11					
INITIAL PACEMAKER INSERTION.....	0.16	0.18	0.03	0.85	0.14					
CAROTID ENDARTERECTOMY.....	0.17	0.12	0.02	1.00	0.20					
HIP REPLACEMENT/RECONSTRUCTION.....	0.57	0.45	0.04	1.31	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.20	0.30	0.04	0.63	0.08					
PROSTATECTOMY.....	0.85	0.71	0.05	1.19	0.09					
CHOLECYSTECTOMY.....	0.45	0.42	0.04	1.04	0.11					
HYSTERECTOMY.....	0.19	0.17	0.03	1.10	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

JANESVILLE-BELOIT, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	3,878	8.7	8.3	0.5	13.2	12.7	0.6	16.6	16.2	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	115	24.3	26.5	4.5	33.0	29.9	4.7	38.3	33.6	5.7
CONGESTIVE HEART FAILURE.....	153	15.0	15.3	3.2	20.9	23.7	5.4	27.5	30.6	6.5
PNEUMONIA/INFLUENZA.....	170	23.5	15.1	4.6	30.6	20.8	4.8	34.7	25.3	5.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	60	10.0	6.1	5.4	13.3	10.9	7.2	20.0	15.4	6.7
TRANSIENT CEREBRAL ISCHEMIA.....	63	1.6	1.9	2.0	3.2	4.3	3.4	4.8	7.0	4.4
STROKE.....	134	17.2	21.0	6.0	23.9	27.5	6.8	26.9	32.1	8.5
HIP FRACTURE.....	110	4.5	6.2	3.2	10.0	11.2	3.7	13.6	14.7	3.5
SEPSIS.....	43	23.3	26.9	*	34.9	35.5	*	39.5	41.4	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	26	3.8	5.6	*	11.5	9.5	*	19.2	12.7	*
CAROTID ENDOARTERECTOMY.....	18	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	94	1.1	2.4	2.0	4.3	4.5	2.6	4.3	6.0	2.9
OPEN REDUCTION OF HIP FRACTURE.....	43	4.7	5.9	*	11.6	11.2	*	20.9	14.8	*
PROSTATECTOMY.....	122	2.5	0.8	1.4	3.3	2.1	1.8	6.6	3.5	2.7
CHOLECYSTECTOMY.....	99	6.1	3.2	3.0	8.1	5.7	3.6	9.1	7.5	4.2
HYSTERECTOMY.....	28	0.0	2.0	*	0.0	3.3	*	0.0	4.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 20,078									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.54	27.55	0.37	1.11	0.01	5.24	4.75	0.15	1.10	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.05	0.88	0.07	1.20	0.09					
CONGESTIVE HEART FAILURE.....	1.40	1.65	0.09	0.85	0.05					
PNEUMONIA/INFLUENZA.....	1.22	1.26	0.08	0.96	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.53	0.49	0.05	1.07	0.11					
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.40	0.04	1.03	0.12					
STROKE.....	1.01	0.89	0.07	1.00	0.07					
HIP FRACTURE.....	0.67	0.63	0.06	1.06	0.09					
SEPSIS.....	0.34	0.33	0.04	1.05	0.13					
PROCEDURES:										
ANGIOPLASTY.....	0.29	0.24	0.03	1.21	0.18					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.35	0.04	0.99	0.12					
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.03	1.05	0.18					
CAROTID ENDOARTERECTOMY.....	0.13	0.12	0.02	1.00	0.22					
HIP REPLACEMENT/RECONSTRUCTION.....	0.55	0.44	0.05	1.26	0.14					
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.30	0.04	0.77	0.10					
PROSTATECTOMY.....	0.79	0.75	0.06	1.06	0.09					
CHOLECYSTECTOMY.....	0.51	0.44	0.05	1.18	0.13					
HYSTERECTOMY.....	0.17	0.17	0.03	0.91	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

KENOSHA, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,792	10.0	9.2	0.8	14.5	13.9	0.8	17.6	17.6	0.8
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	78	21.8	26.1	6.1	26.9	29.2	6.0	26.9	32.4	7.3
CONGESTIVE HEART FAILURE.....	160	11.9	15.1	3.1	17.5	23.4	4.5	23.1	30.3	4.9
PNEUMONIA/INFLUENZA.....	130	20.8	15.7	6.5	26.2	21.2	6.0	28.5	25.6	5.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	34	8.8	7.6	*	11.8	13.4	*	14.7	18.8	*
TRANSIENT CEREBRAL ISCHEMIA.....	47	0.0	1.8	*	6.4	4.1	*	8.5	6.5	*
STROKE.....	88	26.1	20.9	5.9	33.0	27.5	6.2	38.6	31.9	7.5
HIP FRACTURE.....	74	14.9	7.9	7.2	20.3	13.7	7.9	23.0	17.4	7.9
SEPSIS.....	35	17.1	25.2	*	22.9	35.2	*	25.7	41.5	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	17	5.9	4.4	*	5.9	8.2	*	5.9	12.0	*
CAROTID ENDOARTERECTOMY.....	14	0.0	1.3	*	0.0	2.3	*	0.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	43	14.0	4.3	*	16.3	7.8	*	16.3	10.1	*
OPEN REDUCTION OF HIP FRACTURE.....	23	17.4	9.1	*	30.4	16.7	*	34.8	21.4	*
PROSTATECTOMY.....	82	2.4	1.0	1.6	4.9	2.5	2.7	8.5	4.2	3.9
CHOLECYSTECTOMY.....	65	6.2	3.1	3.3	7.7	5.6	4.1	10.8	7.5	6.0
HYSTERECTOMY.....	14	0.0	0.9	*	0.0	2.0	*	7.1	2.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 17,657						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.64	26.85	0.39	1.14	0.02		4.59	4.58	0.16	1.00	0.03
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.80	0.85	0.07	0.95	0.08						
CONGESTIVE HEART FAILURE.....	1.93	1.58	0.09	1.23	0.07						
PNEUMONIA/INFLUENZA.....	1.03	1.18	0.08	0.89	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.42	0.47	0.05	0.88	0.10						
TRANSIENT CEREBRAL ISCHEMIA.....	0.42	0.38	0.05	1.12	0.14						
STROKE.....	0.88	0.86	0.07	1.01	0.08						
HIP FRACTURE.....	0.65	0.60	0.06	1.10	0.11						
SEPSIS.....	0.33	0.31	0.04	1.08	0.15						
PROCEDURES:											
ANGIOPLASTY.....	0.37	0.24	0.04	1.69	0.27						
CORONARY ARTERY BYPASS GRAFT.....	0.53	0.34	0.04	1.55	0.21						
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.03	1.19	0.22						
CAROTID ENDOARTERECTOMY.....	0.20	0.12	0.03	1.00	0.23						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.43	0.05	1.03	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.29	0.04	0.82	0.12						
PROSTATECTOMY.....	0.75	0.73	0.06	1.03	0.09						
CHOLECYSTECTOMY.....	0.53	0.42	0.05	1.31	0.16						
HYSTERECTOMY.....	0.14	0.17	0.03	0.70	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

LA CROSSE, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	5,837	7.7	8.5	0.5	12.0	12.9	0.6	14.9	16.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	253	27.7	28.5	3.4	30.0	32.0	4.0	33.2	35.4	4.3
CONGESTIVE HEART FAILURE.....	200	11.0	14.8	4.5	21.5	22.8	3.4	29.0	29.5	3.4
PNEUMONIA/INFLUENZA.....	165	13.3	17.8	3.8	18.8	24.5	5.1	21.2	29.4	5.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	57	5.3	7.5	4.0	12.3	13.2	4.9	14.0	18.1	8.1
TRANSIENT CEREBRAL ISCHEMIA.....	53	0.0	1.8	2.3	3.8	4.0	3.1	5.7	6.3	3.7
STROKE.....	199	17.6	21.5	4.4	23.6	27.8	5.9	27.1	32.3	6.0
HIP FRACTURE.....	180	3.9	7.1	2.6	7.2	12.6	3.8	12.2	16.2	3.5
SEPSIS.....	78	16.7	25.8	10.0	30.8	34.2	7.9	34.6	40.7	9.0
PROCEDURES:										
ANGIOPLASTY.....	70	8.6	4.6	3.9	10.0	5.7	4.1	11.4	7.0	4.3
CORONARY ARTERY BYPASS GRAFT.....	123	5.7	6.7	2.5	7.3	9.1	3.6	8.9	10.6	3.8
INITIAL PACEMAKER INSERTION.....	44	0.0	2.7	*	0.0	5.2	*	0.0	7.6	*
CAROTID ENDARTERECTOMY.....	9	0.0	1.8	*	11.1	3.7	*	11.1	5.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	131	1.5	3.1	2.2	3.8	5.9	3.3	3.8	7.8	4.0
OPEN REDUCTION OF HIP FRACTURE.....	50	2.0	6.8	*	6.0	12.4	*	16.0	16.1	*
PROSTATECTOMY.....	258	1.2	1.0	0.9	1.2	2.4	1.5	1.9	4.1	2.2
CHOLECYSTECTOMY.....	115	2.6	2.8	1.6	4.3	4.9	2.3	7.0	6.4	2.8
HYSTERECTOMY.....	46	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 14,095									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.10	27.61	0.44	1.02	0.02	4.86	4.83	0.18	1.01	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.95	0.90	0.08	1.07	0.09					
CONGESTIVE HEART FAILURE.....	1.65	1.63	0.11	1.01	0.07					
PNEUMONIA/INFLUENZA.....	0.87	1.28	0.10	0.70	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.44	0.49	0.06	0.94	0.12					
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.40	0.05	0.62	0.08					
STROKE.....	0.97	0.89	0.08	1.07	0.10					
HIP FRACTURE.....	0.62	0.67	0.07	0.92	0.10					
SEPSIS.....	0.52	0.31	0.05	1.60	0.25					
PROCEDURES:										
ANGIOPLASTY.....	0.31	0.22	0.04	1.39	0.27					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.34	0.05	1.03	0.15					
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.04	0.79	0.16					
CAROTID ENDARTERECTOMY.....	0.06	0.11	0.03	1.00	0.27					
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.46	0.06	0.75	0.09					
OPEN REDUCTION OF HIP FRACTURE.....	0.20	0.32	0.05	0.61	0.09					
PROSTATECTOMY.....	0.79	0.72	0.07	1.13	0.11					
CHOLECYSTECTOMY.....	0.46	0.43	0.06	1.04	0.14					
HYSTERECTOMY.....	0.11	0.18	0.04	0.77	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

MADISON, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	10,296	7.1	7.8	0.3	10.9	12.1	0.4	13.9	15.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	292	20.9	26.8	4.3	27.1	30.1	4.6	28.8	33.4	3.7
CONGESTIVE HEART FAILURE.....	342	15.8	15.4	2.0	25.1	23.8	2.6	33.6	30.6	3.6
PNEUMONIA/INFLUENZA.....	253	13.4	17.5	2.8	16.6	24.1	3.6	22.5	29.0	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	85	5.9	8.7	4.2	12.9	14.6	4.9	15.3	19.8	6.5
TRANSIENT CEREBRAL ISCHEMIA.....	137	0.0	1.9	2.0	2.2	4.1	3.2	3.6	6.4	4.0
STROKE.....	331	20.5	21.4	3.0	25.4	28.1	3.9	28.7	32.6	4.8
HIP FRACTURE.....	216	6.0	7.1	2.0	12.5	12.7	2.4	13.9	16.4	3.6
SEPSIS.....	54	22.2	22.9	6.1	24.1	30.5	7.6	27.8	36.5	8.8
PROCEDURES:										
ANGIOPLASTY.....	103	0.0	3.2	3.8	1.9	4.0	3.1	2.9	5.0	3.6
CORONARY ARTERY BYPASS GRAFT.....	212	6.6	6.2	1.8	9.0	9.1	2.0	11.3	10.8	2.2
INITIAL PACEMAKER INSERTION.....	65	3.1	3.0	2.9	4.6	6.2	3.5	9.2	9.3	3.8
CAROTID ENOARTERECTOMY.....	59	1.7	1.6	1.6	3.4	2.9	2.3	5.1	4.3	2.8
HIP REPLACEMENT/RECONSTRUCTION.....	275	3.3	2.6	1.3	5.1	4.9	1.7	5.1	6.6	2.0
OPEN REDUCTION OF HIP FRACTURE.....	72	1.4	6.3	5.0	11.1	11.9	5.3	13.9	15.7	5.1
PROSTATECTOMY.....	430	0.7	0.7	0.5	1.9	1.8	0.6	2.8	3.1	0.9
CHOLECYSTECTOMY.....	208	3.4	3.2	2.0	5.3	5.9	2.0	7.7	7.9	1.9
HYSTERECTOMY.....	81	1.2	0.7	1.2	1.2	1.4	1.7	1.2	2.2	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 38,359						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.68	26.44	0.26	0.97	0.01		4.42	4.82	0.11	0.92	0.02
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.72	0.80	0.05	0.89	0.05						
CONGESTIVE HEART FAILURE.....	1.27	1.52	0.06	0.84	0.03						
PNEUMONIA/INFLUENZA.....	0.85	1.24	0.06	0.68	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.37	0.44	0.03	0.84	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.32	0.36	0.03	0.87	0.08						
STROKE.....	0.82	0.83	0.05	0.99	0.06						
HIP FRACTURE.....	0.64	0.66	0.04	0.97	0.06						
SEPSIS.....	0.20	0.31	0.03	0.61	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.21	0.22	0.02	0.93	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.33	0.03	1.11	0.10						
INITIAL PACEMAKER INSERTION.....	0.12	0.18	0.02	0.72	0.10						
CAROTID ENOARTERECTOMY.....	0.07	0.11	0.02	1.00	0.18						
HIP REPLACEMENT/RECONSTRUCTION.....	0.63	0.44	0.03	1.43	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.21	0.31	0.03	0.79	0.08						
PROSTATECTOMY.....	1.07	0.69	0.04	1.53	0.09						
CHOLECYSTECTOMY.....	0.50	0.39	0.03	1.27	0.11						
HYSTERECTOMY.....	0.17	0.17	0.02	0.97	0.13						

** QUANTITIES COULD NOT BE ESTIMATED

MILWAUKEE, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	42,025	8.6	8.3	0.2	12.9	12.8	0.2	16.3	16.4	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,052	28.9	28.2	1.5	32.5	31.6	1.7	36.0	35.0	1.8
CONGESTIVE HEART FAILURE.....	2,232	14.5	14.7	0.9	23.5	22.8	1.1	29.3	29.6	1.0
PNEUMONIA/INFLUENZA.....	1,360	17.1	16.8	2.1	24.8	23.0	2.2	29.4	27.8	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	436	8.0	8.3	1.3	14.7	14.2	2.0	19.7	19.3	1.9
TRANSIENT CEREBRAL ISCHEMIA.....	577	2.4	1.9	1.1	5.7	4.3	1.2	8.1	6.8	1.4
STROKE.....	1,465	21.3	21.0	1.1	27.7	27.7	1.2	32.2	32.2	1.3
HIP FRACTURE.....	997	7.4	6.8	0.9	11.0	12.1	1.4	14.5	15.6	1.7
SEPSIS.....	478	24.7	27.3	3.3	32.4	35.6	4.0	37.7	41.8	3.8
PROCEDURES:										
ANGIOPLASTY.....	838	2.3	2.4	0.8	2.9	3.3	1.0	3.8	4.4	1.1
CORONARY ARTERY BYPASS GRAFT.....	947	6.9	5.8	1.3	10.2	8.4	1.5	11.7	9.9	1.3
INITIAL PACEMAKER INSERTION.....	318	3.5	4.1	1.8	6.6	7.7	1.8	10.4	10.8	1.8
CAROTID ENDARTERECTOMY.....	194	2.1	1.4	1.0	3.1	2.7	1.2	3.6	3.9	1.4
HIP REPLACEMENT/RECONSTRUCTION.....	890	3.0	3.2	0.9	4.9	5.9	1.6	7.0	8.0	1.8
OPEN REDUCTION OF HIP FRACTURE.....	455	7.7	6.3	2.0	12.3	11.6	1.9	14.9	15.1	1.7
PROSTATECTOMY.....	1,419	0.7	0.9	0.5	2.3	2.3	0.4	3.9	3.8	0.5
CHOLECYSTECTOMY.....	766	2.6	2.8	0.6	3.7	5.0	1.1	5.6	6.6	1.1
HYSTERECTOMY.....	379	1.6	1.0	0.8	3.4	2.0	1.2	4.2	2.9	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 171,937									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.42	27.04	0.13	1.09	0.00	4.71	4.89	0.05	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.77	0.79	0.02	0.97	0.03					
CONGESTIVE HEART FAILURE.....	1.92	1.70	0.03	1.13	0.02					
PNEUMONIA/INFLUENZA.....	0.98	1.09	0.02	0.90	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.36	0.42	0.02	0.87	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.34	0.01	1.06	0.04					
STROKE.....	0.95	0.90	0.02	1.06	0.03					
HIP FRACTURE.....	0.63	0.64	0.02	0.99	0.03					
SEPSIS.....	0.39	0.36	0.01	1.07	0.04					
PROCEDURES:										
ANGIOPLASTY.....	0.47	0.24	0.01	1.96	0.10					
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.31	0.01	1.32	0.06					
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	1.10	0.06					
CAROTID ENDARTERECTOMY.....	0.13	0.11	0.01	1.00	0.08					
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.43	0.02	1.19	0.04					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.31	0.01	0.94	0.04					
PROSTATECTOMY.....	0.84	0.69	0.02	1.22	0.04					
CHOLECYSTECTOMY.....	0.44	0.37	0.01	1.22	0.05					
HYSTERECTOMY.....	0.21	0.16	0.01	1.35	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

RACINE, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	4,382	9.8	9.1	0.6	14.2	13.9	0.7	17.2	17.5	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	163	35.6	28.8	4.7	39.3	32.3	4.9	42.9	35.9	5.0
CONGESTIVE HEART FAILURE.....	236	18.2	13.9	4.4	25.0	21.4	4.6	31.4	27.9	4.2
PNEUMONIA/INFLUENZA.....	138	18.8	17.0	4.3	26.8	23.2	6.0	31.9	28.0	7.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	30	6.7	8.7	*	13.3	14.5	*	16.7	19.5	*
TRANSIENT CEREBRAL ISCHEMIA.....	64	1.6	1.9	1.9	3.1	4.1	3.6	7.8	6.5	4.3
STROKE.....	164	20.1	20.9	3.4	26.8	27.5	4.1	29.9	32.0	4.5
HIP FRACTURE.....	139	8.6	6.6	2.8	14.4	11.8	3.3	15.8	15.2	3.1
SEPSIS.....	37	24.3	26.1	*	32.4	33.5	*	35.1	39.5	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	2	0.0	4.7	*	50.0	6.7	*	50.0	8.4	*
INITIAL PACEMAKER INSERTION.....	24	0.0	3.4	*	0.0	6.3	*	8.3	8.8	*
CAROTID ENDARTERECTOMY.....	26	3.8	1.8	*	3.8	3.3	*	3.8	5.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	101	4.0	3.8	2.1	7.9	7.1	2.7	8.9	9.5	3.0
OPEN REDUCTION OF HIP FRACTURE.....	67	10.4	6.0	5.0	13.4	11.2	5.9	16.4	14.7	5.0
PROSTATECTOMY.....	180	0.6	1.0	0.9	0.6	2.4	1.5	1.1	4.1	2.1
CHOLECYSTECTOMY.....	85	2.4	3.7	2.5	3.5	6.5	3.9	7.1	8.3	3.9
HYSTERECTOMY.....	37	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 25,765						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.16	26.46	0.32	0.99	0.01		4.37	4.65	0.13	0.94	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.90	0.79	0.06	1.13	0.08						
CONGESTIVE HEART FAILURE.....	1.46	1.59	0.08	0.92	0.04						
PNEUMONIA/INFLUENZA.....	0.82	1.11	0.06	0.74	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.17	0.45	0.04	0.38	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.35	0.04	1.03	0.11						
STROKE.....	0.83	0.86	0.06	0.96	0.06						
HIP FRACTURE.....	0.61	0.59	0.05	1.00	0.08						
SEPSIS.....	0.24	0.33	0.04	0.66	0.07						
PROCEDURES:											
ANGIOPLASTY.....	0.25	0.24	0.03	1.06	0.14						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.33	0.04	1.07	0.12						
INITIAL PACEMAKER INSERTION.....	0.13	0.18	0.03	0.71	0.11						
CAROTID ENDARTERECTOMY.....	0.14	0.11	0.02	1.00	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.42	0.04	1.24	0.12						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.03	0.93	0.11						
PROSTATECTOMY.....	0.86	0.71	0.05	1.21	0.09						
CHOLECYSTECTOMY.....	0.46	0.38	0.04	1.20	0.12						
HYSTERECTOMY.....	0.17	0.16	0.02	1.09	0.18						

** QUANTITIES COULD NOT BE ESTIMATED

SHEBOYGAN, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,897	9.9	8.7	0.7	14.4	13.4	0.7	17.3	17.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	81	30.9	26.7	9.9	37.0	30.3	10.8	39.5	34.0	10.2
CONGESTIVE HEART FAILURE.....	173	15.6	14.9	2.9	23.1	22.9	4.7	28.3	29.6	3.9
PNEUMONIA/INFLUENZA.....	122	13.9	17.8	5.2	20.5	24.3	7.1	25.4	29.3	7.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	11	9.1	7.7	*	18.2	13.2	*	18.2	18.1	*
TRANSIENT CEREBRAL ISCHEMIA.....	47	4.3	2.0	*	6.4	4.5	*	10.6	7.2	*
STROKE.....	137	28.5	20.7	5.4	33.6	27.4	5.0	35.0	31.9	4.3
HIP FRACTURE.....	85	7.1	7.2	4.8	12.9	12.7	3.9	16.5	16.4	4.3
SEPSIS.....	28	35.7	24.5	*	35.7	31.8	*	42.9	38.2	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	20	5.0	3.9	*	5.0	8.0	*	5.0	11.6	*
CAROTID ENDOARTERECTOMY.....	11	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION.....	77	1.3	2.3	1.9	5.2	4.1	3.2	5.2	5.4	3.8
OPEN REDUCTION OF HIP FRACTURE.....	53	11.3	6.6	5.2	13.2	12.1	5.3	17.0	15.7	5.2
PROSTATECTOMY.....	131	1.5	0.8	1.0	1.5	1.9	1.4	3.1	3.2	1.8
CHOLECYSTECTOMY.....	87	5.7	3.1	2.5	9.2	5.7	3.5	12.6	7.6	4.6
HYSTERECTOMY.....	25	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 16,848									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.90	27.02	0.40	1.00	0.01	4.75	4.66	0.17	1.02	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.72	0.90	0.07	0.80	0.07					
CONGESTIVE HEART FAILURE.....	1.54	1.59	0.10	0.96	0.06					
PNEUMONIA/INFLUENZA.....	0.88	1.23	0.09	0.72	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.14	0.46	0.05	0.30	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.39	0.05	0.91	0.12					
STROKE.....	1.06	0.88	0.07	1.23	0.10					
HIP FRACTURE.....	0.58	0.64	0.06	0.88	0.09					
SEPSIS.....	0.28	0.31	0.04	0.96	0.14					
PROCEDURES:										
ANGIOPLASTY.....	0.31	0.23	0.04	1.30	0.22					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.36	0.05	0.96	0.13					
INITIAL PACEMAKER INSERTION.....	0.17	0.20	0.03	1.02	0.19					
CAROTID ENDOARTERECTOMY.....	0.14	0.12	0.03	1.00	0.25					
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.46	0.05	1.08	0.13					
OPEN REDUCTION OF HIP FRACTURE.....	0.34	0.30	0.04	1.12	0.16					
PROSTATECTOMY.....	0.91	0.79	0.07	1.15	0.10					
CHOLECYSTECTOMY.....	0.62	0.44	0.05	1.33	0.16					
HYSTERECTOMY.....	0.21	0.18	0.03	1.12	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

HAUSAU, WI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	2,652	8.9	7.8	0.7	12.9	11.8	0.7	16.0	15.0	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	105	23.8	24.7	4.5	26.7	27.8	4.5	32.4	31.1	4.7
CONGESTIVE HEART FAILURE.....	128	17.2	14.0	3.9	30.5	21.9	6.3	37.5	28.8	6.9
PNEUMONIA/INFLUENZA.....	100	15.0	13.7	5.9	23.0	18.8	7.7	26.0	23.3	7.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	15	6.7	7.0	*	6.7	11.9	*	20.0	16.0	*
TRANSIENT CEREBRAL ISCHEMIA.....	23	8.7	1.7	*	8.7	3.8	*	8.7	6.0	*
STROKE.....	105	24.8	19.4	5.7	30.5	25.5	5.2	33.3	29.9	5.3
HIP FRACTURE.....	85	11.8	5.9	5.0	16.5	11.1	5.1	18.8	14.6	5.0
SEPSIS.....	25	16.0	28.9	*	20.0	38.4	*	32.0	45.8	*
PROCEDURES:										
ANGIOPLASTY.....	50	8.0	4.8	*	8.0	6.1	*	14.0	7.6	*
CORONARY ARTERY BYPASS GRAFT.....	80	7.5	6.1	3.5	10.0	8.1	4.1	12.5	9.4	5.4
INITIAL PACEMAKER INSERTION.....	25	0.0	2.4	*	0.0	4.5	*	0.0	6.5	*
CAROTID ENDOARTERECTOMY.....	13	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
HIP REPLACEMENT/RECONSTRUCTION.....	84	1.2	2.0	1.8	3.6	3.9	2.4	4.8	5.2	2.5
OPEN REDUCTION OF HIP FRACTURE.....	42	16.7	5.7	*	19.0	11.2	*	21.4	15.2	*
PROSTATECTOMY.....	91	1.1	1.1	1.4	1.1	2.5	2.1	1.1	4.1	3.2
CHOLECYSTECTOMY.....	66	6.1	3.7	3.2	7.6	6.3	3.4	10.6	8.2	4.5
HYSTERECTOMY.....	24	4.2	1.5	*	8.3	2.0	*	8.3	2.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 15,230						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.43	27.44	0.42	0.85	0.01		4.29	4.60	0.17	0.93	0.03
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.92	0.08	0.92	0.08						
CONGESTIVE HEART FAILURE.....	1.34	1.60	0.10	0.83	0.05						
PNEUMONIA/INFLUENZA.....	1.02	1.29	0.09	0.77	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.23	0.50	0.06	0.41	0.05						
TRANSIENT CEREBRAL ISCHEMIA.....	0.25	0.40	0.05	0.57	0.08						
STROKE.....	0.91	0.88	0.08	1.05	0.09						
HIP FRACTURE.....	0.56	0.61	0.06	0.91	0.10						
SEPSIS.....	0.28	0.30	0.05	0.81	0.13						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.24	0.04	1.26	0.23						
CORONARY ARTERY BYPASS GRAFT.....	0.55	0.36	0.05	1.53	0.22						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.04	0.84	0.17						
CAROTID ENDOARTERECTOMY.....	0.09	0.13	0.03	1.00	0.26						
HIP REPLACEMENT/RECONSTRUCTION.....	0.50	0.45	0.05	1.11	0.14						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.04	0.85	0.14						
PROSTATECTOMY.....	0.81	0.79	0.07	1.01	0.09						
CHOLECYSTECTOMY.....	0.54	0.46	0.05	1.16	0.14						
HYSTERECTOMY.....	0.20	0.18	0.03	1.03	0.22						

** QUANTITIES COULD NOT BE ESTIMATED

WI-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	41,801	9.2	9.4	0.2	13.6	14.2	0.3	16.9	18.0	0.3
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,443	29.2	29.2	1.3	33.5	33.0	1.8	36.3	36.7	1.4
CONGESTIVE HEART FAILURE.....	2,346	14.8	15.9	1.4	23.6	24.4	1.7	30.2	31.4	1.9
PNEUMONIA/INFLUENZA.....	2,250	14.8	17.3	1.0	20.4	23.6	1.2	24.2	28.4	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	552	7.8	7.9	1.6	11.6	13.7	2.3	16.5	18.9	2.5
TRANSIENT CEREBRAL ISCHEMIA.....	609	2.1	2.1	0.9	3.8	4.8	1.1	5.6	7.8	1.7
STROKE.....	1,666	21.7	21.0	1.1	27.9	27.8	1.1	31.7	32.5	1.2
HIP FRACTURE.....	1,184	6.0	6.8	0.8	10.0	12.3	1.4	13.6	16.0	1.4
SEPSIS.....	527	21.4	26.5	2.6	30.4	34.3	3.6	35.5	40.7	2.8
PROCEDURES:										
ANGIOPLASTY.....	64	1.6	3.2	3.0	1.6	4.3	3.7	1.6	5.5	4.4
CORONARY ARTERY BYPASS GRAFT.....	167	9.0	6.8	3.3	13.2	9.9	3.1	16.2	11.7	3.3
INITIAL PACEMAKER INSERTION.....	151	4.6	4.4	1.7	7.3	8.2	2.5	7.9	11.6	3.0
CAROTID ENDARTERECTOMY.....	106	0.0	1.4	1.9	0.0	2.7	3.4	2.8	3.9	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	773	3.4	3.5	1.0	5.8	6.7	1.7	7.6	9.1	2.3
OPEN REDUCTION OF HIP FRACTURE.....	547	4.4	6.3	1.3	8.2	11.9	2.0	11.7	15.7	2.1
PROSTATECTOMY.....	1,446	1.5	0.9	0.5	2.6	2.2	0.5	3.9	3.7	0.6
CHOLECYSTECTOMY.....	928	2.2	2.9	0.7	4.3	5.3	1.0	5.7	7.0	1.0
HYSTERECTOMY.....	373	0.8	0.9	0.5	1.3	1.7	0.8	1.9	2.6	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 285,745						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.71	28.06	0.10	1.02	0.00		4.64	4.67	0.04	0.99	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.02	0.97	0.02	1.06	0.02						
CONGESTIVE HEART FAILURE.....	1.67	1.65	0.02	1.01	0.01						
PNEUMONIA/INFLUENZA.....	1.26	1.40	0.02	0.90	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.52	0.01	0.78	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.41	0.01	0.89	0.03						
STROKE.....	0.99	0.90	0.02	1.09	0.02						
HIP FRACTURE.....	0.63	0.62	0.01	1.01	0.02						
SEPSIS.....	0.32	0.31	0.01	1.02	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.24	0.01	0.98	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.38	0.01	0.95	0.03						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.01	1.00	0.05						
CAROTID ENDARTERECTOMY.....	0.10	0.12	0.01	1.00	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.47	0.01	1.14	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.30	0.01	0.96	0.04						
PROSTATECTOMY.....	0.84	0.85	0.02	0.99	0.02						
CHOLECYSTECTOMY.....	0.50	0.48	0.01	1.03	0.03						
HYSTERECTOMY.....	0.20	0.18	0.01	1.15	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

CHARLESTON, WV
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	11,418	8.8	8.6	0.3	13.5	13.1	0.4	16.7	16.6	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	427	19.4	23.4	3.4	23.4	26.7	3.4	26.0	30.1	3.6
CONGESTIVE HEART FAILURE.....	489	18.0	14.8	2.3	25.8	22.9	2.8	31.7	29.6	2.3
PNEUMONIA/INFLUENZA.....	324	16.7	16.6	2.6	23.5	22.5	3.5	25.9	27.1	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	189	7.9	7.0	3.4	15.9	12.5	5.2	21.7	17.3	6.0
TRANSIENT CEREBRAL ISCHEMIA.....	173	1.7	1.7	1.5	5.2	3.7	2.0	5.8	5.9	1.8
STROKE.....	374	21.7	21.6	2.1	26.2	28.2	2.9	31.0	32.7	3.2
HIP FRACTURE.....	254	5.5	6.3	1.6	11.0	11.2	2.1	13.0	14.5	3.0
SEPSIS.....	122	27.0	28.9	4.3	30.3	36.8	5.0	33.6	42.8	5.6
PROCEDURES:										
ANGIOPLASTY.....	170	1.8	3.0	1.8	2.4	3.9	2.4	2.9	4.9	3.1
CORONARY ARTERY BYPASS GRAFT.....	312	4.5	5.4	2.2	6.4	7.7	2.1	7.4	9.3	2.2
INITIAL PACEMAKER INSERTION.....	90	4.4	3.8	2.7	8.9	7.4	4.3	13.3	10.8	5.1
CAROTID ENDOARTERECTOMY.....	78	0.0	1.4	1.8	0.0	2.7	2.9	1.3	4.0	3.1
HIP REPLACEMENT/RECONSTRUCTION.....	142	4.9	3.3	1.9	9.9	6.3	3.4	12.7	8.5	4.9
OPEN REDUCTION OF HIP FRACTURE.....	134	4.5	5.9	2.6	9.0	10.9	4.4	9.7	14.2	5.3
PROSTATECTOMY.....	332	1.5	0.9	0.9	3.0	2.2	1.8	6.6	3.7	1.7
CHOLECYSTECTOMY.....	263	3.0	2.8	1.0	5.3	4.9	1.5	7.2	6.4	1.9
HYSTERECTOMY.....	85	1.2	0.5	1.3	2.4	1.1	1.7	2.4	1.5	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 43,461						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.60	30.25	0.26	1.01	0.01		4.81	4.60	0.10	1.05	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.10	0.99	0.05	1.11	0.05						
CONGESTIVE HEART FAILURE.....	1.68	1.83	0.06	0.92	0.03						
PNEUMONIA/INFLUENZA.....	1.07	1.40	0.06	0.76	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.64	0.04	0.95	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.48	0.03	0.93	0.06						
STROKE.....	0.96	0.96	0.05	**	**						
HIP FRACTURE.....	0.56	0.58	0.04	0.98	0.06						
SEPSIS.....	0.38	0.34	0.03	1.10	0.09						
PROCEDURES:											
ANGIOPLASTY.....	0.32	0.25	0.02	1.26	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.46	0.37	0.03	1.26	0.10						
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.02	1.10	0.12						
CAROTID ENDOARTERECTOMY.....	0.16	0.15	0.02	1.00	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.40	0.03	0.85	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.28	0.02	0.99	0.09						
PROSTATECTOMY.....	0.77	0.75	0.04	1.04	0.06						
CHOLECYSTECTOMY.....	0.61	0.52	0.03	1.17	0.08						
HYSTERECTOMY.....	0.18	0.18	0.02	**	**						

** QUANTITIES COULD NOT BE ESTIMATED

WV-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	34,318	9.5	9.3	0.2	14.3	13.9	0.3	17.5	17.6	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,222	28.2	27.0	2.1	33.5	30.3	2.9	35.5	33.6	2.8
CONGESTIVE HEART FAILURE.....	1,857	15.1	15.4	1.0	23.7	23.7	1.3	31.0	30.6	1.1
PNEUMONIA/INFLUENZA.....	2,007	15.2	16.6	1.2	21.2	22.6	1.5	25.0	27.2	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	714	6.4	6.6	1.3	10.8	11.9	1.9	15.4	16.6	2.2
TRANSIENT CEREBRAL ISCHEMIA.....	588	2.7	2.0	0.9	5.6	4.5	1.4	7.8	7.2	1.8
STROKE.....	1,197	23.7	21.1	1.8	30.7	27.7	1.8	33.8	32.2	1.7
HIP FRACTURE.....	743	5.8	6.8	1.1	9.0	12.1	1.7	11.6	15.6	2.0
SEPSIS.....	416	22.6	25.8	3.0	29.8	33.6	3.8	33.9	39.4	3.7
PROCEDURES:										
ANGIOPLASTY.....	59	1.7	3.0	3.0	5.1	3.9	2.9	6.8	4.9	4.0
CORONARY ARTERY BYPASS GRAFT.....	99	2.0	5.7	2.8	6.1	8.3	3.3	8.1	9.9	3.4
INITIAL PACEMAKER INSERTION.....	205	3.9	3.8	2.2	7.8	6.9	2.2	9.8	9.8	2.1
CAROTID ENDARTERECTOMY.....	120	0.0	1.4	1.7	1.7	2.6	1.6	2.5	3.8	2.1
HIP REPLACEMENT/RECONSTRUCTION.....	435	4.1	3.4	1.1	5.7	6.3	1.4	7.4	8.3	2.0
OPEN REDUCTION OF HIP FRACTURE.....	380	4.7	6.2	1.5	7.9	11.5	2.5	10.3	15.0	2.9
PROSTATECTOMY.....	1,069	1.1	1.0	0.4	1.7	2.2	0.6	3.5	3.7	0.7
CHOLECYSTECTOMY.....	778	2.8	2.9	0.6	4.6	4.9	0.8	5.9	6.3	1.0
HYSTERECTOMY.....	232	0.4	1.0	0.9	1.3	1.8	1.0	3.0	2.5	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 203,793						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.52	31.53	0.12	1.06	0.00		4.77	4.71	0.05	1.01	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.16	1.03	0.02	1.12	0.03						
CONGESTIVE HEART FAILURE.....	2.03	1.84	0.03	1.10	0.02						
PNEUMONIA/INFLUENZA.....	1.72	1.65	0.03	1.05	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.77	0.72	0.02	1.04	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.52	0.50	0.02	1.02	0.04						
STROKE.....	1.03	0.97	0.02	1.05	0.03						
HIP FRACTURE.....	0.60	0.58	0.02	1.03	0.03						
SEPSIS.....	0.36	0.33	0.01	1.08	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.24	0.01	0.97	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.36	0.01	0.97	0.04						
INITIAL PACEMAKER INSERTION.....	0.20	0.18	0.01	1.09	0.07						
CAROTID ENDARTERECTOMY.....	0.13	0.13	0.01	**	**						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.40	0.01	0.92	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.01	1.02	0.05						
PROSTATECTOMY.....	0.85	0.75	0.02	1.10	0.03						
CHOLECYSTECTOMY.....	0.58	0.54	0.02	1.05	0.04						
HYSTERECTOMY.....	0.18	0.17	0.01	1.00	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

CASPER, WY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,547	8.0	7.9	1.0	12.3	11.8	1.1	15.4	14.9	1.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	58	19.0	28.8	7.5	25.9	31.7	6.6	27.6	35.1	7.0
CONGESTIVE HEART FAILURE.....	49	8.2	13.0	*	14.3	20.7	*	22.4	27.2	*
PNEUMONIA/INFLUENZA.....	63	14.3	14.3	4.4	17.5	19.5	5.5	27.0	23.7	6.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	36	16.7	7.5	*	22.2	13.1	*	27.8	18.0	*
TRANSIENT CEREBRAL ISCHEMIA.....	26	0.0	1.9	*	3.8	4.4	*	7.7	7.2	*
STROKE.....	29	31.0	17.6	*	37.9	24.3	*	41.4	28.8	*
HIP FRACTURE.....	46	10.9	6.3	*	13.0	11.5	*	15.2	15.2	*
SEPSIS.....	9	22.2	17.8	*	44.4	23.3	*	44.4	28.0	*
PROCEQURES:										
ANGIOPLASTY.....	31	6.5	3.5	*	9.7	4.6	*	9.7	5.7	*
CORONARY ARTERY BYPASS GRAFT.....	55	7.3	5.9	4.0	12.7	8.1	6.0	12.7	9.3	6.4
INITIAL PACEMAKER INSERTION.....	11	0.0	2.2	*	9.1	4.7	*	9.1	7.2	*
CAROTIO ENOARTERECTOMY.....	29	3.4	1.2	*	3.4	2.3	*	3.4	3.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	37	8.1	3.1	*	10.8	5.9	*	10.8	7.9	*
OPEN REDUCTION OF HIP FRACTURE.....	22	4.5	5.6	*	4.5	11.1	*	9.1	15.1	*
PROSTATECTOMY.....	59	0.0	0.7	1.8	3.4	1.6	2.1	6.8	2.7	3.1
CHOLECYSTECTOMY.....	55	1.8	2.0	2.1	1.8	3.5	2.9	3.6	4.6	3.2
HYSTERECTOMY.....	11	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 7,062					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.84	25.88	0.60	1.11	0.03	4.11	4.34	0.25	0.95	0.05
CONOITIONS:										
ACUTE MYOCARDOIAL INFARCTION.....	0.76	0.83	0.11	0.90	0.12					
CONGESTIVE HEART FAILURE.....	1.03	1.48	0.14	0.70	0.07					
PNEUMONIA/INFLUENZA.....	1.16	1.08	0.12	1.08	0.13					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.79	0.46	0.08	1.75	0.32					
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.39	0.07	1.20	0.24					
STROKE.....	0.65	0.83	0.11	0.79	0.11					
HIP FRACTURE.....	0.67	0.55	0.09	1.18	0.20					
SEPSIS.....	0.21	0.30	0.07	0.69	0.16					
PROCEQURES:										
ANGIOPLASTY.....	0.30	0.26	0.06	1.28	0.32					
CORONARY ARTERY BYPASS GRAFT.....	0.64	0.38	0.07	1.76	0.36					
INITIAL PACEMAKER INSERTION.....	0.14	0.18	0.05	0.67	0.21					
CAROTIO ENOARTERECTOMY.....	0.42	0.12	0.04	1.00	0.39					
HIP REPLACEMENT/RECONSTRUCTION.....	0.58	0.41	0.08	1.45	0.28					
OPEN REDUCTION OF HIP FRACTURE.....	0.37	0.27	0.06	1.26	0.31					
PROSTATECTOMY.....	0.82	0.76	0.10	1.11	0.15					
CHOLECYSTECTOMY.....	0.88	0.42	0.08	2.13	0.41					
HYSTERECTOMY.....	0.18	0.17	0.05	1.18	0.38					

** QUANTITIES COULD NOT BE ESTIMATED

CHEYENNE, WY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	1,804	8.8	7.8	0.9	14.3	12.0	1.2	17.7	15.5	1.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	45	42.2	28.3	*	42.2	31.4	*	42.2	34.8	*
CONGESTIVE HEART FAILURE.....	73	15.1	15.1	4.4	27.4	23.2	8.4	35.6	29.9	8.6
PNEUMONIA/INFLUENZA.....	61	13.1	13.5	4.7	16.4	18.7	5.9	24.6	23.0	5.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	54	1.9	8.6	7.0	16.7	14.4	5.1	20.4	19.5	6.3
TRANSIENT CEREBRAL ISCHEMIA.....	34	5.9	1.6	*	8.8	3.7	*	8.8	6.0	*
STROKE.....	41	19.5	18.2	*	29.3	23.2	*	31.7	27.2	*
HIP FRACTURE.....	35	8.6	7.1	*	20.0	12.6	*	22.9	16.3	*
SEPSIS.....	22	36.4	21.0	*	40.9	29.2	*	40.9	35.3	*
PROCEDURES:										
ANGIOPLASTY.....	9	0.0	1.9	*	0.0	3.2	*	0.0	4.4	*
CORONARY ARTERY BYPASS GRAFT.....	21	9.5	4.7	*	14.3	6.8	*	14.3	8.1	*
INITIAL PACEMAKER INSERTION.....	9	0.0	3.8	*	11.1	7.4	*	11.1	10.4	*
CARDIAC ENDARTERECTOMY.....	0									
HIP REPLACEMENT/RECONSTRUCTION.....	31	0.0	2.8	*	0.0	5.0	*	0.0	6.7	*
OPEN REDUCTION OF HIP FRACTURE.....	17	11.8	5.6	*	23.5	10.7	*	29.4	14.2	*
PROSTATECTOMY.....	38	2.6	1.1	*	5.3	2.8	*	10.5	4.8	*
CHOLECYSTECTOMY.....	23	8.7	1.9	*	8.7	3.2	*	8.7	4.2	*
HYSTERECTOMY.....	12	8.3	1.4	*	8.3	2.8	*	8.3	4.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 8,434						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.65	26.72	0.56	1.15	0.02		4.72	4.50	0.23	1.06	0.05
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.77	0.86	0.10	0.88	0.10						
CONGESTIVE HEART FAILURE.....	1.58	1.55	0.14	1.02	0.09						
PNEUMONIA/INFLUENZA.....	1.13	1.17	0.12	0.97	0.10						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.75	0.47	0.08	1.53	0.25						
TRANSIENT CEREBRAL ISCHEMIA.....	0.53	0.38	0.07	1.48	0.27						
STROKE.....	0.68	0.86	0.10	0.80	0.10						
HIP FRACTURE.....	0.57	0.59	0.08	0.96	0.14						
SEPSIS.....	0.34	0.31	0.06	1.14	0.24						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.23	0.05	1.14	0.27						
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.36	0.07	0.81	0.16						
INITIAL PACEMAKER INSERTION.....	0.07	0.19	0.05	0.46	0.12						
CARDIAC ENDARTERECTOMY.....	0.04	0.12	0.04	1.00	0.35						
HIP REPLACEMENT/RECONSTRUCTION.....	0.56	0.43	0.07	1.22	0.21						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.29	0.06	0.82	0.18						
PROSTATECTOMY.....	0.64	0.75	0.09	0.83	0.11						
CHOLECYSTECTOMY.....	0.40	0.43	0.07	1.01	0.17						
HYSTERECTOMY.....	0.19	0.17	0.05	1.01	0.29						

** QUANTITIES COULD NOT BE ESTIMATED

HY-(NONMSA)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,078	8.5	7.8	0.4	12.2	12.0	0.4	15.3	15.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	177	23.2	25.6	4.5	25.4	28.8	5.0	29.4	32.2	4.7
CONGESTIVE HEART FAILURE.....	248	12.9	13.9	2.4	22.2	22.0	3.2	27.8	28.8	3.0
PNEUMONIA/INFLUENZA.....	402	15.7	14.6	2.0	19.9	20.2	2.0	23.9	24.7	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	143	4.9	7.6	2.9	8.4	13.0	3.7	14.0	17.7	3.9
TRANSIENT CEREBRAL ISCHEMIA.....	85	1.2	1.9	2.9	5.9	4.4	3.8	9.4	7.1	5.4
STROKE.....	157	21.7	19.5	4.2	28.0	26.3	4.2	33.1	30.8	5.3
HIP FRACTURE.....	148	9.5	6.6	2.9	11.5	12.1	2.8	16.9	16.0	3.1
SEPSIS.....	47	21.3	26.0	*	25.5	33.7	*	27.7	40.0	*
PROCEDURES:										
ANGIOPLASTY.....	0									
CORONARY ARTERY BYPASS GRAFT.....	0									
INITIAL PACEMAKER INSERTION.....	10	10.0	5.2	*	20.0	9.6	*	20.0	13.7	*
CAROTID ENDOARTERECTOMY.....	0									
HIP REPLACEMENT/RECONSTRUCTION.....	94	1.1	2.9	2.7	2.1	5.6	3.9	6.4	7.5	3.3
OPEN REDUCTION OF HIP FRACTURE.....	80	11.2	6.1	4.6	12.5	11.5	4.3	17.5	15.2	4.3
PROSTATECTOMY.....	144	0.0	0.8	1.0	0.0	2.0	2.0	2.8	3.4	1.9
CHOLECYSTECTOMY.....	129	2.3	2.3	1.7	3.9	4.2	1.8	5.4	5.5	2.0
HYSTERECTOMY.....	34	0.0	0.5	*	0.0	1.2	*	5.9	2.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 37,033									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.26	26.35	0.27	1.26	0.01	4.56	4.49	0.11	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.06	0.87	0.05	1.24	0.07					
CONGESTIVE HEART FAILURE.....	1.47	1.51	0.06	0.99	0.04					
PNEUMONIA/INFLUENZA.....	1.83	1.21	0.06	1.55	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.79	0.46	0.04	1.68	0.14					
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.39	0.03	0.99	0.09					
STROKE.....	0.72	0.84	0.05	0.89	0.05					
HIP FRACTURE.....	0.63	0.58	0.04	1.05	0.08					
SEPSIS.....	0.25	0.30	0.03	0.90	0.10					
PROCEDURES:										
ANGIOPLASTY.....	0.28	0.25	0.03	1.06	0.13					
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.38	0.03	0.95	0.09					
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.02	0.92	0.14					
CAROTID ENDOARTERECTOMY.....	0.11	0.12	0.02	1.00	0.20					
HIP REPLACEMENT/RECONSTRUCTION.....	0.57	0.45	0.03	1.25	0.11					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.28	0.03	1.21	0.14					
PROSTATECTOMY.....	0.85	0.84	0.05	1.00	0.06					
CHOLECYSTECTOMY.....	0.58	0.45	0.03	1.33	0.11					
HYSTERECTOMY.....	0.17	0.17	0.02	1.29	0.20					

** QUANTITIES COULD NOT BE ESTIMATED

SECTION D

HOSPITALIZATION AND MORTALITY DATA FOR STATES

HOSPITALIZATION AND MORTALITY DATA FOR STATES

This supplement presents data on post-admission mortality rates (the upper of the two tables on each page) and on population-based probabilities of hospitalization and of death (the lower of the two tables) in the States identified in the heading of the tables.

The upper tables (Tables D-2a) have the form of and were computed in the same manner as the tables for individual hospitals, as described in Section A. Probabilities of death following admission were first computed for individual patients and were then aggregated to the level of the State. The State was that of the hospital to which the patient was admitted. Tables D-3 present similar data in which the aggregation was by the State of residence of the patients. These tables, therefore, provide a context in which the experience of hospitals can be evaluated. Thus, different inferences should be drawn if an unexpectedly high mortality rate observed in a hospital is or is not consistent with the pattern observed in its State. If it is, then a problem characteristic of the State, perhaps related to policies governing the management of the health care system, might be suggested. If it is not, then there is additional reason to suspect a problem specific to the hospital.

The lower tables (Tables D-2b) were computed in the manner described in Section B. Because they are the results of a cross-sectional rather than longitudinal analysis and represent the experience of a population in a fiscal year rather than the eventuation of an outcome (death) following an index event (a hospitalization), a single value each of the observed and predicted probability of admission or death is presented. All admissions, not just a selected admission as in the upper table, were used for the computation of probabilities of hospitalization. Similarly, all deaths of Medicare beneficiaries in the State were used in the calculation of the probability of death. Because the data represent the experience of a population, assignment of a person to a State is on the basis of that person's residence. In addition, because all deaths are included in the analyses and not only those that followed hospitalization, only probabilities of death without respect to reason for hospitalization were computed. "Eligibles," displayed in the center of the lower tables, is the number of persons with Medicare eligibility during FY 89. Two columns in the lower tables differ from those in the upper. "Relative Rate" is the ratio of the observed to predicted probability of admission or death. "SE" is the standard error of the Relative Rate.

ALL STATES
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	6,392,842	9.0	9.0	0.0	13.9	13.7	0.0	17.4	17.4	0.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	203,780	26.5	26.7	0.0	30.7	30.0	0.0	33.4	33.5	0.0
CONGESTIVE HEART FAILURE.....	323,447	14.9	14.9	0.0	23.7	23.2	0.0	30.2	30.0	0.0
PNEUMONIA/INFLUENZA.....	282,709	15.9	16.3	0.0	22.4	22.3	0.0	26.7	26.9	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS....	95,851	7.9	7.6	0.0	13.6	13.3	0.0	18.4	18.2	0.0
TRANSIENT CEREBRAL ISCHEMIA.....	100,226	1.8	1.9	0.0	4.1	4.2	0.0	6.6	6.6	0.0
STROKE.....	236,767	20.1	20.4	0.0	27.1	26.9	0.0	31.2	31.4	0.0
HIP FRACTURE.....	157,298	6.5	6.5	0.0	11.6	11.7	0.0	15.1	15.2	0.0
SEPSIS.....	72,666	26.9	27.3	0.0	36.1	35.5	0.0	41.3	41.7	0.0
PROCEDURES:										
ANGIOPLASTY.....	47,441	3.3	3.2	0.0	4.4	4.2	0.0	5.3	5.4	0.0
CORONARY ARTERY BYPASS GRAFT.....	73,339	6.1	5.5	0.0	8.4	7.8	0.0	9.5	9.4	0.0
INITIAL PACEMAKER INSERTION.....	46,093	3.6	3.7	0.0	6.9	6.9	0.0	9.8	9.8	0.0
CAROTID ENDOARTERECTOMY.....	29,270	1.6	1.5	0.0	2.9	2.8	0.0	4.1	4.1	0.0
HIP REPLACEMENT/RECONSTRUCTION.....	112,809	3.2	3.2	0.0	6.1	6.0	0.0	8.1	8.2	0.0
OPEN REDUCTION OF HIP FRACTURE.....	77,535	6.0	6.0	0.0	11.2	11.2	0.0	14.6	14.7	0.0
PROSTATECTOMY.....	211,467	0.9	1.0	0.0	2.4	2.4	0.0	3.9	4.0	0.0
CHOLECYSTECTOMY.....	121,718	3.0	2.9	0.0	5.3	5.2	0.0	6.8	6.8	0.0
HYSTERECTOMY.....	50,206	0.8	0.8	0.0	1.6	1.7	0.0	2.4	2.5	0.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 33,937,626									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.30	28.30	0.01	1.00		4.64	4.64	0.00	1.00	
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.89	0.89	0.00	1.00						
CONGESTIVE HEART FAILURE.....	1.70	1.71	0.00	1.00						
PNEUMONIA/INFLUENZA.....	1.23	1.23	0.00	1.00						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.51	0.51	0.00	1.00						
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.42	0.00	1.00						
STROKE.....	0.94	0.94	0.00	1.00						
HIP FRACTURE.....	0.59	0.59	0.00	1.00						
SEPSIS.....	0.34	0.34	0.00	1.00						
PROCEDURES:										
ANGIOPLASTY.....	0.24	0.24	0.00	1.00						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.35	0.00	1.00						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.00	1.00						
CAROTID ENDOARTERECTOMY.....	0.12	0.12	0.00	1.00						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.41	0.00	1.00						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.29	0.00	1.00						
PROSTATECTOMY.....	0.76	0.76	0.00	1.00						
CHOLECYSTECTOMY.....	0.44	0.44	0.00	1.00						
HYSTERECTOMY.....	0.17	0.17	0.00	1.00						

** QUANTITIES COULD NOT BE ESTIMATED

ALABAMA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	128,474	8.3	8.5	0.1	12.8	13.0	0.2	16.0	16.6	0.1
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,506	28.0	27.3	1.2	31.9	30.6	1.3	34.4	34.0	0.9
CONGESTIVE HEART FAILURE.....	5,958	14.1	14.4	0.7	22.8	22.5	0.8	28.7	29.2	0.8
PNEUMONIA/INFLUENZA.....	5,697	14.3	15.7	0.9	20.6	21.5	0.8	24.5	26.0	1.0
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	2,017	5.4	6.4	0.7	10.2	11.5	1.1	13.8	15.9	1.3
TRANSIENT CEREBRAL ISCHEMIA.....	2,312	1.7	1.9	0.3	3.5	4.1	0.5	6.2	6.5	0.5
STROKE.....	4,643	19.6	20.5	0.7	26.1	27.0	1.0	30.0	31.4	1.1
HIP FRACTURE.....	2,520	7.3	6.7	0.9	12.2	11.9	1.0	15.9	15.3	1.3
SEPSIS.....	1,428	27.4	27.3	1.8	35.9	35.4	1.6	41.2	41.5	1.7
PROCEOURES:										
ANGIOPLASTY.....	1,109	3.6	4.0	1.0	4.6	4.9	1.2	5.3	6.0	1.4
CORONARY ARTERY BYPASS GRAFT.....	1,626	5.8	5.7	0.8	8.4	8.0	0.8	10.3	9.5	0.9
INITIAL PACEMAKER INSERTION.....	748	4.3	3.2	1.1	7.2	6.2	1.2	9.6	9.0	1.1
CAROTIO ENDARTERECTOMY.....	660	1.5	1.5	0.6	2.3	2.8	0.8	4.2	4.1	0.8
HIP REPLACEMENT/RECONSTRUCTION.....	1,700	4.7	3.9	0.9	7.7	7.1	1.1	10.3	9.3	1.5
OPEN REDUCTION OF HIP FRACTURE.....	1,321	6.2	6.0	0.8	11.0	11.0	0.9	13.9	14.3	1.0
PROSTATECTOMY.....	3,219	0.8	1.1	0.3	2.2	2.5	0.4	3.9	4.1	0.5
CHOLECYSTECTOMY.....	2,419	2.9	2.8	0.4	5.1	4.9	0.5	6.4	6.3	0.5
HYSTERECTOMY.....	913	0.8	0.7	0.5	1.6	1.4	0.6	2.6	2.1	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 552,212						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.02	31.48	0.08	1.08	0.00		4.75	4.84	0.03	0.98	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.93	0.93	0.01	**	**						
CONGESTIVE HEART FAILURE.....	1.86	1.97	0.02	1.00	0.01						
PNEUMONIA/INFLUENZA.....	1.49	1.39	0.02	1.07	0.01						
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.62	0.59	0.01	1.03	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.56	0.47	0.01	1.19	0.02						
STROKE.....	1.14	1.07	0.01	1.07	0.01						
HIP FRACTURE.....	0.57	0.55	0.01	1.04	0.02						
SEPSIS.....	0.40	0.39	0.01	1.01	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.31	0.22	0.01	1.38	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.44	0.33	0.01	1.37	0.03						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	1.07	0.04						
CAROTIO ENDARTERECTOMY.....	0.16	0.12	0.00	1.30	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.36	0.01	1.08	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.27	0.01	1.07	0.03						
PROSTATECTOMY.....	0.71	0.73	0.01	0.98	0.02						
CHOLECYSTECTOMY.....	0.52	0.47	0.01	1.11	0.02						
HYSTERECTOMY.....	0.18	0.16	0.00	1.12	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

ALASKA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PRED	SO
ALL CAUSES.....	3,477	6.8	7.9	0.6	11.0	12.1	0.7	14.4	15.5	0.7
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	100	13.0	25.9	6.4	16.0	29.2	6.1	23.0	32.7	5.6
CONGESTIVE HEART FAILURE.....	171	10.5	13.4	3.9	19.9	20.7	3.6	24.6	27.1	3.8
PNEUMONIA/INFLUENZA.....	192	9.9	12.9	3.2	15.6	18.0	4.1	19.8	22.0	3.2
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	86	11.6	7.9	3.4	17.4	13.6	4.1	24.4	18.4	5.2
TRANSIENT CEREBRAL ISCHEMIA.....	32	0.0	1.7	*	0.0	3.9	*	9.4	6.4	*
STROKE.....	112	21.4	21.2	4.2	25.0	27.1	4.6	30.4	31.5	4.5
HIP FRACTURE.....	89	3.4	6.2	5.3	6.7	10.9	6.9	10.1	14.2	6.3
SEPSIS.....	28	17.9	24.7	*	25.0	31.5	*	32.1	37.6	*
PROCEDURE:										
ANGIOPLASTY.....	8	0.0	1.8	*	0.0	2.3	*	0.0	3.2	*
CORONARY ARTERY BYPASS GRAFT.....	36	5.6	5.7	*	5.6	8.4	*	8.3	10.0	*
INITIAL PACEMAKER INSERTION.....	12	0.0	3.4	*	8.3	7.0	*	8.3	10.3	*
CAROTID ENOARTERECTOMY.....	12	8.3	1.6	*	8.3	3.2	*	8.3	4.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	41	0.0	2.3	*	0.0	4.2	*	4.9	5.6	*
OPEN REDUCTION OF HIP FRACTURE.....	49	2.0	5.6	*	8.2	10.3	*	10.2	13.4	*
PROSTATECTOMY.....	113	0.0	0.9	1.2	0.0	2.3	2.5	3.5	3.8	1.8
CHOLECYSTECTOMY.....	65	0.0	2.7	3.1	0.0	4.7	4.8	1.5	6.1	4.6
HYSTERECTOMY.....	18	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 22,781						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	23.66	24.22	0.33	0.98	0.01		4.01	3.93	0.13	1.03	0.03
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.53	0.74	0.06	0.81	0.07						
CONGESTIVE HEART FAILURE.....	1.18	1.27	0.07	0.95	0.06						
PNEUMONIA/INFLUENZA.....	1.10	1.01	0.07	1.13	0.08						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.74	0.43	0.04	1.78	0.20						
TRANSIENT CEREBRAL ISCHEMIA.....	0.17	0.34	0.04	0.48	0.06						
STROKE.....	0.69	0.74	0.06	0.98	0.08						
HIP FRACTURE.....	0.40	0.45	0.04	0.94	0.10						
SEPSIS.....	0.24	0.29	0.04	0.96	0.13						
PROCEDURE:											
ANGIOPLASTY.....	0.13	0.28	0.04	0.57	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.39	0.04	0.90	0.11						
INITIAL PACEMAKER INSERTION.....	0.08	0.16	0.03	0.58	0.12						
CAROTID ENOARTERECTOMY.....	0.09	0.14	0.03	0.59	0.13						
HIP REPLACEMENT/RECONSTRUCTION.....	0.31	0.36	0.04	0.89	0.11						
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.22	0.03	1.03	0.17						
PROSTATECTOMY.....	0.73	0.77	0.06	0.96	0.08						
CHOLECYSTECTOMY.....	0.33	0.39	0.04	0.88	0.11						
HYSTERECTOMY.....	0.13	0.16	0.03	0.74	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

ARIZONA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	89,213	8.5	8.3	0.2	12.7	12.8	0.3	15.9	16.4	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,905	25.3	24.1	1.2	29.3	27.4	1.2	31.5	30.8	1.0
CONGESTIVE HEART FAILURE.....	3,594	15.3	14.0	0.9	24.2	21.9	1.2	30.7	28.6	1.2
PNEUMONIA/INFLUENZA.....	3,847	14.2	14.3	0.7	19.3	19.7	0.7	23.1	24.2	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1,445	10.4	6.9	0.9	15.2	12.2	0.9	20.8	16.9	1.1
TRANSIENT CEREBRAL ISCHEMIA.....	1,111	1.7	1.7	0.4	3.6	3.9	0.7	6.0	6.2	0.8
STROKE.....	2,882	18.9	18.5	0.8	24.9	24.8	0.9	28.5	29.2	0.9
HIP FRACTURE.....	2,278	6.5	5.4	0.7	10.8	10.1	0.8	13.6	13.3	0.7
SEPSIS.....	880	25.0	24.4	1.8	33.2	32.1	1.9	36.9	38.2	1.9
PROCEDURES:										
ANGIOPLASTY.....	862	4.6	3.6	1.3	5.9	4.6	1.4	7.0	5.8	1.5
CORONARY ARTERY BYPASS GRAFT.....	1,086	9.1	5.7	1.2	11.3	8.1	1.2	12.3	9.7	1.1
INITIAL PACEMAKER INSERTION.....	658	2.7	3.4	0.8	5.5	6.3	1.6	7.4	9.1	1.7
CAROTID ENDARTERECTOMY.....	337	2.4	1.7	0.9	3.3	3.2	1.3	3.9	4.8	1.7
HIP REPLACEMENT/RECONSTRUCTION.....	1,894	2.8	2.7	0.4	5.2	5.3	0.5	6.7	7.3	0.7
OPEN REDUCTION OF HIP FRACTURE.....	1,144	6.0	5.0	1.0	10.4	9.6	1.3	13.4	12.9	1.0
PROSTATECTOMY.....	3,526	0.7	1.1	0.2	1.6	2.6	0.4	2.9	4.3	0.5
CHOLECYSTECTOMY.....	1,941	3.5	3.0	0.6	6.3	5.4	0.9	7.4	7.1	0.7
HYSTERECTOMY.....	861	0.6	0.9	0.4	1.3	1.9	0.6	2.2	2.7	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 499,764					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.87	26.73	0.07	0.97	0.00	4.10	4.27	0.03	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.81	0.90	0.01	0.91	0.01					
CONGESTIVE HEART FAILURE.....	1.27	1.55	0.02	0.82	0.01					
PNEUMONIA/INFLUENZA.....	1.08	1.15	0.01	0.94	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.51	0.01	0.95	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.40	0.01	0.73	0.02					
STROKE.....	0.76	0.87	0.01	0.88	0.01					
HIP FRACTURE.....	0.59	0.54	0.01	1.10	0.02					
SEPSIS.....	0.29	0.31	0.01	0.95	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.28	0.28	0.01	1.02	0.03					
CORONARY ARTERY BYPASS GRAFT.....	0.33	0.40	0.01	0.84	0.02					
INITIAL PACEMAKER INSERTION.....	0.17	0.20	0.01	0.88	0.03					
CAROTID ENDARTERECTOMY.....	0.10	0.15	0.01	0.71	0.03					
HIP REPLACEMENT/RECONSTRUCTION.....	0.47	0.42	0.01	1.13	0.02					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.26	0.01	1.11	0.03					
PROSTATECTOMY.....	0.84	0.84	0.01	1.01	0.02					
CHOLECYSTECTOMY.....	0.46	0.46	0.01	1.01	0.02					
HYSTERECTOMY.....	0.19	0.18	0.01	1.12	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

ARKANSAS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	84,418	8.8	8.4	0.2	13.4	13.0	0.2	16.7	16.6	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,549	28.2	26.4	1.1	32.6	29.7	1.3	35.7	33.1	1.3
CONGESTIVE HEART FAILURE.....	4,187	15.5	14.4	0.8	24.0	22.6	0.9	31.0	29.4	1.0
PNEUMONIA/INFLUENZA.....	4,386	15.9	15.9	0.9	22.1	21.9	0.7	26.2	26.5	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,122	4.9	6.0	0.8	10.2	10.9	1.3	14.3	15.3	1.2
TRANSIENT CEREBRAL ISCHEMIA.....	1,508	1.3	1.8	0.5	4.2	4.1	0.5	7.2	6.5	0.9
STROKE.....	2,935	22.5	20.0	1.1	29.2	26.5	1.2	33.4	31.1	1.1
HIP FRACTURE.....	1,945	6.0	6.0	0.6	9.7	10.9	1.0	12.8	14.3	1.2
SEPSIS.....	786	29.5	26.5	2.0	37.9	35.2	2.1	43.8	41.5	2.1
PROCEDURES:										
ANGIOPLASTY.....	554	3.1	3.3	0.8	4.3	4.3	0.9	5.4	5.4	1.0
CORONARY ARTERY BYPASS GRAFT.....	1,148	4.7	5.3	0.9	7.5	7.5	1.4	8.4	8.9	1.1
INITIAL PACEMAKER INSERTION.....	595	1.8	3.1	1.2	5.4	6.0	1.8	7.1	8.8	2.5
CAROTID ENDARTERECTOMY.....	430	0.9	1.5	0.7	1.9	2.8	1.0	3.7	4.1	1.4
HIP REPLACEMENT/RECONSTRUCTION.....	1,361	3.7	3.5	0.6	6.2	6.6	0.8	8.4	8.9	0.9
OPEN REDUCTION OF HIP FRACTURE.....	987	5.2	5.4	0.8	8.2	10.2	1.3	10.6	13.5	1.7
PROSTATECTOMY.....	2,798	0.9	1.2	0.3	2.5	2.7	0.4	4.3	4.5	0.4
CHOLECYSTECTOMY.....	1,845	3.1	2.9	0.5	5.3	5.1	0.5	7.0	6.7	0.7
HYSTERECTOMY.....	590	0.5	0.9	0.5	1.2	1.7	0.9	1.7	2.5	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 405,118						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.31	31.18	0.09	1.07	0.00		4.74	4.75	0.03	1.00	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.98	0.99	0.02	0.99	0.02						
CONGESTIVE HEART FAILURE.....	1.91	1.90	0.02	1.00	0.01						
PNEUMONIA/INFLUENZA.....	1.62	1.49	0.02	1.08	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.49	0.61	0.01	0.80	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.54	0.47	0.01	1.00	0.02						
STROKE.....	1.08	1.03	0.02	1.04	0.02						
HIP FRACTURE.....	0.63	0.57	0.01	1.11	0.02						
SEPSIS.....	0.33	0.37	0.01	0.89	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.26	0.23	0.01	1.14	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.52	0.36	0.01	1.44	0.04						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.01	1.14	0.05						
CAROTID ENDARTERECTOMY.....	0.17	0.13	0.01	1.31	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.40	0.01	1.10	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.28	0.01	1.18	0.04						
PROSTATECTOMY.....	0.90	0.79	0.01	1.00	0.02						
CHOLECYSTECTOMY.....	0.59	0.50	0.01	1.17	0.03						
HYSTERECTOMY.....	0.18	0.17	0.01	1.07	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

CALIFORNIA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	556,171	9.9	9.4	0.1	15.0	14.3	0.2	18.6	18.1	0.1
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	16,721	26.0	26.5	0.5	30.1	29.9	0.8	32.7	33.4	0.6
CONGESTIVE HEART FAILURE.....	27,652	15.3	15.1	0.3	23.7	23.3	0.5	30.3	30.2	0.5
PNEUMONIA/INFLUENZA.....	26,893	17.1	16.2	0.6	23.6	22.1	0.3	27.8	26.7	0.3
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	8,125	9.0	7.3	0.7	15.1	12.9	0.7	19.7	17.8	0.6
TRANSIENT CEREBRAL ISCHEMIA.....	7,169	1.9	1.9	0.2	4.3	4.3	0.2	6.7	6.8	0.3
STROKE.....	22,191	20.7	20.7	0.4	28.2	27.3	0.4	32.3	31.8	0.5
HIP FRACTURE.....	14,806	6.5	6.5	0.2	12.3	11.7	0.4	15.9	15.2	0.4
SEPSIS.....	7,174	27.3	26.4	1.1	36.9	34.6	1.0	42.0	40.9	0.7
PROCEDURES:										
ANGIOPLASTY.....	6,232	2.6	3.1	0.3	3.6	4.0	0.4	4.6	5.2	0.4
CORONARY ARTERY BYPASS GRAFT.....	7,565	5.6	5.5	0.6	7.8	7.9	0.7	9.0	9.5	0.6
INITIAL PACEMAKER INSERTION.....	4,644	4.0	3.6	0.4	7.2	6.8	0.6	10.4	9.8	0.9
CAROTID ENDOARTERECTOMY.....	3,091	1.4	1.4	0.2	2.5	2.6	0.3	3.9	3.8	0.4
HIP REPLACEMENT/RECONSTRUCTION.....	11,757	3.4	3.1	0.2	6.4	5.8	0.3	8.5	7.9	0.4
OPEN REDUCTION OF HIP FRACTURE.....	7,400	6.1	5.9	0.3	12.1	11.1	0.5	15.9	14.7	0.6
PROSTATECTOMY.....	20,741	0.7	0.8	0.1	1.8	1.9	0.1	3.1	3.2	0.1
CHOLECYSTECTOMY.....	9,545	2.9	2.8	0.2	5.2	5.1	0.3	6.7	6.7	0.3
HYSTERECTOMY.....	4,880	0.7	0.7	0.1	1.4	1.6	0.3	2.1	2.4	0.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 3,389,081						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.30	26.34	0.03	0.96	0.00		4.52	4.51	0.01	1.00	0.00
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.74	0.82	0.00	0.90	0.00						
CONGESTIVE HEART FAILURE.....	1.53	1.56	0.01	0.98	0.00						
PNEUMONIA/INFLUENZA.....	1.19	1.09	0.01	1.10	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.44	0.00	1.02	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.30	0.38	0.00	0.80	0.01						
STROKE.....	0.90	0.87	0.00	1.03	0.01						
HIP FRACTURE.....	0.56	0.58	0.00	0.98	0.01						
SEPSIS.....	0.35	0.33	0.00	1.04	0.01						
PROCEDURES:											
ANGIOPLASTY.....	0.30	0.26	0.00	1.16	0.01						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.37	0.00	0.95	0.01						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.00	1.02	0.01						
CAROTID ENDOARTERECTOMY.....	0.13	0.13	0.00	1.01	0.02						
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.42	0.00	1.04	0.01						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.28	0.00	0.97	0.01						
PROSTATECTOMY.....	0.75	0.78	0.00	0.97	0.01						
CHOLECYSTECTOMY.....	0.35	0.40	0.00	0.88	0.01						
HYSTERECTOMY.....	0.17	0.17	0.00	0.99	0.01						

** QUANTITIES COULD NOT BE ESTIMATED

COLORADO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	59,913	8.3	8.1	0.2	12.8	12.3	0.4	15.9	15.8	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,844	22.5	24.3	1.2	25.6	27.4	1.3	27.6	30.8	1.5
CONGESTIVE HEART FAILURE.....	2,203	13.6	14.3	1.1	22.5	22.2	1.3	29.0	28.9	1.0
PNEUMONIA/INFLUENZA.....	2,711	14.7	15.3	0.8	21.0	21.1	0.8	25.4	25.5	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,037	9.9	7.4	1.5	14.8	12.9	1.4	20.3	17.7	1.8
TRANSIENT CEREBRAL ISCHEMIA.....	677	2.2	1.8	0.9	5.3	4.0	1.5	8.0	6.5	2.0
STROKE.....	1,754	20.5	20.4	1.0	26.9	26.9	1.2	30.7	31.4	1.3
HIP FRACTURE.....	1,852	6.5	6.2	0.6	11.8	11.3	0.8	14.6	14.7	0.8
SEPSIS.....	584	24.1	25.6	2.0	31.0	32.9	2.2	35.6	39.1	2.8
PROCEDURES:										
ANGIOPLASTY.....	504	3.8	4.1	0.9	4.8	5.2	1.0	6.0	6.4	1.2
CORONARY ARTERY BYPASS GRAFT.....	660	7.7	5.6	1.6	10.6	8.1	1.8	11.4	9.7	1.6
INITIAL PACEMAKER INSERTION.....	358	1.4	3.1	1.4	3.9	6.2	1.9	7.0	9.0	2.0
CAROTID ENDARTERECTOMY.....	192	1.0	1.4	1.2	1.6	2.7	1.9	2.1	4.0	2.9
HIP REPLACEMENT/RECONSTRUCTION.....	1,472	2.6	2.7	0.7	4.6	5.2	1.2	6.0	7.1	1.4
OPEN REDUCTION OF HIP FRACTURE.....	858	7.3	5.7	1.0	13.4	10.8	1.5	16.6	14.2	1.5
PROSTATECTOMY.....	2,317	0.5	0.9	0.4	1.9	2.1	0.3	3.4	3.5	0.4
CHOLECYSTECTOMY.....	1,309	4.6	3.3	0.8	7.0	5.9	0.9	8.9	7.6	1.0
HYSTERECTOMY.....	582	0.9	0.9	0.5	0.9	1.8	0.8	1.9	2.7	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 332,214						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.82	27.14	0.09	0.88	0.00		4.29	4.56	0.04	0.94	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.74	0.87	0.02	0.85	0.02						
CONGESTIVE HEART FAILURE.....	1.05	1.59	0.02	0.66	0.01						
PNEUMONIA/INFLUENZA.....	1.10	1.23	0.02	0.90	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.49	0.49	0.01	**	**						
TRANSIENT CEREBRAL ISCHEMIA.....	0.24	0.40	0.01	0.60	0.02						
STROKE.....	0.66	0.87	0.02	0.77	0.01						
HIP FRACTURE.....	0.64	0.59	0.01	1.08	0.02						
SEPSIS.....	0.26	0.32	0.01	0.81	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.25	0.01	0.85	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.25	0.36	0.01	0.71	0.02						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.01	0.69	0.03						
CAROTID ENDARTERECTOMY.....	0.07	0.12	0.01	0.56	0.03						
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.43	0.01	1.19	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.28	0.01	1.03	0.03						
PROSTATECTOMY.....	0.78	0.76	0.01	1.01	0.02						
CHOLECYSTECTOMY.....	0.45	0.44	0.01	1.03	0.03						
HYSTERECTOMY.....	0.18	0.17	0.01	1.01	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

CONNECTICUT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	77,569	9.1	9.6	0.1	14.3	14.6	0.2	18.0	18.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,815	23.9	26.0	1.1	28.6	29.5	1.3	31.4	32.9	1.0
CONGESTIVE HEART FAILURE.....	3,961	14.2	16.1	0.8	23.7	24.6	1.1	29.7	31.5	1.0
PNEUMONIA/INFLUENZA.....	3,291	17.3	18.0	1.0	24.8	24.3	1.0	29.2	29.2	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	801	7.6	7.6	1.0	14.6	13.3	1.6	18.5	18.2	1.4
TRANSIENT CEREBRAL ISCHEMIA.....	979	0.7	1.9	0.9	2.6	4.1	1.2	5.9	6.5	0.9
STROKE.....	2,888	20.1	20.7	1.0	26.4	27.5	1.4	30.5	31.9	1.6
HIP FRACTURE.....	2,259	5.0	7.0	0.8	9.8	12.5	1.0	14.2	16.1	0.9
SEPSIS.....	731	24.9	27.0	2.2	34.3	34.8	2.4	38.4	40.9	2.4
PROCEDURES:										
ANGIOPLASTY.....	571	2.8	3.3	0.9	4.0	4.5	0.9	5.8	5.7	1.0
CORONARY ARTERY BYPASS GRAFT.....	928	6.6	6.1	1.8	9.3	8.9	1.4	10.8	10.7	1.1
INITIAL PACEMAKER INSERTION.....	651	2.6	4.0	1.0	6.1	7.4	1.4	8.4	10.5	1.6
CAROTID ENDARTERECTOMY.....	260	2.3	1.4	1.1	2.7	2.6	1.1	3.1	3.8	1.6
HIP REPLACEMENT/RECONSTRUCTION.....	1,502	2.1	3.4	0.7	4.8	6.4	0.9	7.3	8.7	1.0
OPEN REDUCTION OF HIP FRACTURE.....	1,173	4.5	6.4	1.0	9.1	11.8	1.3	13.4	15.5	1.3
PROSTATECTOMY.....	2,529	0.8	1.2	0.3	2.4	2.8	0.5	3.9	4.7	0.7
CHOLECYSTECTOMY.....	1,449	2.6	3.1	0.5	5.5	5.4	0.7	7.0	7.0	0.7
HYSTERECTOMY.....	738	0.8	0.8	0.4	1.2	1.7	0.6	1.9	2.5	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 357,913						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.91	26.06	0.08	0.92	0.00		4.51	4.57	0.04	0.99	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.81	0.01	1.04	0.02						
CONGESTIVE HEART FAILURE.....	1.52	1.53	0.02	0.99	0.01						
PNEUMONIA/INFLUENZA.....	1.01	1.06	0.02	0.96	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.28	0.41	0.01	0.69	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.38	0.01	0.72	0.02						
STROKE.....	0.79	0.87	0.02	0.91	0.02						
HIP FRACTURE.....	0.58	0.62	0.01	0.93	0.02						
SEPSIS.....	0.24	0.32	0.01	0.72	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.20	0.24	0.01	0.86	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.35	0.01	**	**						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.99	0.04						
CAROTID ENDARTERECTOMY.....	0.07	0.11	0.01	0.64	0.03						
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.44	0.01	0.89	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.30	0.01	0.95	0.03						
PROSTATECTOMY.....	0.66	0.75	0.01	0.89	0.02						
CHOLECYSTECTOMY.....	0.35	0.39	0.01	0.90	0.02						
HYSTERECTOMY.....	0.18	0.17	0.01	1.06	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

DELAWARE
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	16,043	9.0	9.2	0.3	14.2	14.0	0.3	18.1	17.8	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	608	20.9	25.7	2.8	25.7	29.0	2.7	28.8	32.3	2.5
CONGESTIVE HEART FAILURE.....	864	13.0	14.7	2.2	20.3	22.8	2.6	28.0	29.5	2.4
PNEUMONIA/INFLUENZA.....	589	16.0	15.6	2.1	22.8	21.2	2.1	26.8	25.7	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	224	5.4	7.5	2.0	9.8	13.1	2.8	18.3	18.0	2.6
TRANSIENT CEREBRAL ISCHEMIA.....	277	1.4	1.8	1.4	4.0	4.1	1.5	6.9	6.5	1.7
STROKE.....	609	23.3	20.0	2.3	31.4	26.4	2.9	35.5	30.8	3.1
HIP FRACTURE.....	375	6.4	6.7	1.4	11.7	12.0	1.7	15.2	15.6	2.0
SEPSIS.....	244	25.0	26.4	3.2	34.4	34.9	3.3	39.3	41.3	4.4
PROCEDURES:										
ANGIOPLASTY.....	69	1.4	3.3	2.4	4.3	4.4	2.5	8.7	5.6	3.3
CORONARY ARTERY BYPASS GRAFT.....	165	4.2	6.7	2.9	8.5	9.7	2.8	10.3	11.5	3.0
INITIAL PACEMAKER INSERTION.....	101	8.9	6.5	2.7	10.9	10.5	3.3	13.9	13.6	3.9
CAROTID ENDARTERECTOMY.....	82	1.2	1.3	1.2	2.4	2.3	2.0	6.1	3.4	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	281	4.6	3.1	1.7	7.1	5.9	2.3	10.3	8.0	3.4
OPEN REDUCTION OF HIP FRACTURE.....	180	6.1	6.4	2.0	11.7	11.8	3.0	13.3	15.4	4.1
PROSTATECTOMY.....	488	0.8	0.8	0.5	1.8	2.0	1.0	2.5	3.4	1.4
CHOLECYSTECTOMY.....	316	2.8	2.7	1.1	5.1	4.9	1.3	6.3	6.4	1.4
HYSTERECTOMY.....	114	0.9	0.9	0.9	0.9	2.0	1.5	1.8	2.8	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 90,297					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.09	27.79	0.17	1.05	0.01	4.81	4.50	0.07	1.07	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.10	0.84	0.03	1.31	0.05					
CONGESTIVE HEART FAILURE.....	1.86	1.69	0.04	1.10	0.03					
PNEUMONIA/INFLUENZA.....	0.99	1.09	0.03	0.91	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.50	0.48	0.02	1.05	0.05					
TRANSIENT CEREBRAL ISCHEMIA.....	0.46	0.40	0.02	1.14	0.06					
STROKE.....	0.91	0.94	0.03	0.97	0.03					
HIP FRACTURE.....	0.53	0.54	0.02	0.97	0.04					
SEPSIS.....	0.41	0.36	0.02	1.16	0.07					
PROCEDURES:										
ANGIOPLASTY.....	0.25	0.25	0.02	0.97	0.06					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.36	0.02	1.01	0.06					
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.01	0.84	0.07					
CAROTID ENDARTERECTOMY.....	0.16	0.12	0.01	1.30	0.13					
HIP REPLACEMENT/RECONSTRUCTION.....	0.39	0.38	0.02	1.02	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.27	0.02	0.93	0.06					
PROSTATECTOMY.....	0.74	0.75	0.03	0.97	0.04					
CHOLECYSTECTOMY.....	0.45	0.42	0.02	1.08	0.06					
HYSTERECTOMY.....	0.15	0.16	0.01	0.91	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

DISTRICT OF COLUMBIA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	21,186	8.0	8.5	0.2	13.6	13.7	0.3	17.6	17.8	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	416	23.6	26.0	2.4	27.9	29.6	2.4	30.3	33.3	2.6
CONGESTIVE HEART FAILURE.....	1,095	11.5	12.8	1.3	21.1	20.6	2.1	28.1	27.3	1.4
PNEUMONIA/INFLUENZA.....	540	14.8	14.5	2.4	22.0	20.2	2.4	25.2	24.7	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	183	9.3	9.1	2.2	16.9	15.8	3.2	23.5	21.4	4.1
TRANSIENT CEREBRAL ISCHEMIA.....	237	1.7	1.7	0.9	3.4	3.9	1.6	4.6	6.2	2.8
STROKE.....	709	17.8	17.8	2.7	23.1	24.3	2.0	28.5	28.8	1.9
HIP FRACTURE.....	343	5.8	5.8	1.3	12.0	10.7	2.0	14.3	14.2	1.9
SEPSIS.....	219	28.8	25.9	3.3	38.8	35.0	4.4	47.9	41.9	4.9
PROCEDURES:										
ANGIOPLASTY.....	356	2.8	2.8	1.1	3.9	4.1	1.3	4.5	5.5	1.8
CORONARY ARTERY BYPASS GRAFT.....	425	5.9	5.6	1.8	8.2	8.4	1.5	10.8	10.3	1.5
INITIAL PACEMAKER INSERTION.....	115	6.1	3.7	2.2	7.0	7.0	3.1	10.4	10.0	3.2
CAROTID ENDARTERECTOMY.....	52	3.8	1.7	2.5	5.8	3.4	3.8	7.7	5.0	4.6
HIP REPLACEMENT/RECONSTRUCTION.....	325	1.5	2.8	1.4	4.9	5.3	1.9	6.5	7.2	1.7
OPEN REDUCTION OF HIP FRACTURE.....	140	2.9	5.1	2.8	10.7	9.9	2.7	12.1	13.2	3.1
PROSTATECTOMY.....	673	0.9	1.3	0.5	2.7	3.0	0.8	5.9	4.9	0.9
CHOLECYSTECTOMY.....	191	4.7	3.8	2.6	6.3	7.3	2.1	9.9	9.9	2.2
HYSTERECTOMY.....	175	1.1	1.5	1.2	1.7	3.1	1.7	2.9	4.6	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 84,306						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.98	26.60	0.18	1.09	0.01		5.14	5.39	0.08	0.95	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.55	0.58	0.03	0.95	0.04						
CONGESTIVE HEART FAILURE.....	2.22	1.91	0.05	1.16	0.03						
PNEUMONIA/INFLUENZA.....	0.91	0.79	0.03	1.15	0.04						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.32	0.29	0.02	1.06	0.07						
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.31	0.02	**	**						
STROKE.....	1.01	1.09	0.04	0.93	0.03						
HIP FRACTURE.....	0.44	0.43	0.02	1.00	0.05						
SEPSIS.....	0.40	0.48	0.02	0.83	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.14	0.14	0.01	1.04	0.10						
CORONARY ARTERY BYPASS GRAFT.....	0.18	0.19	0.01	0.93	0.07						
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.01	0.78	0.06						
CAROTID ENDARTERECTOMY.....	0.04	0.04	0.01	0.91	0.15						
HIP REPLACEMENT/RECONSTRUCTION.....	0.29	0.28	0.02	1.05	0.07						
OPEN REDUCTION OF HIP FRACTURE.....	0.18	0.22	0.02	0.85	0.06						
PROSTATECTOMY.....	0.71	0.69	0.03	1.03	0.04						
CHOLECYSTECTOMY.....	0.19	0.23	0.02	0.84	0.06						
HYSTERECTOMY.....	0.14	0.12	0.01	1.21	0.12						

** QUANTITIES COULD NOT BE ESTIMATED

FLORIDA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	398,260	9.1	9.0	0.1	13.9	13.7	0.3	17.4	17.3	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	13,969	25.4	26.7	0.4	29.7	30.1	0.6	32.5	33.5	0.4
CONGESTIVE HEART FAILURE.....	19,117	14.9	15.1	0.4	23.8	23.3	0.6	30.4	30.2	0.4
PNEUMONIA/INFLUENZA.....	13,097	15.6	16.2	0.6	22.0	22.0	0.4	26.2	26.6	0.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	6,322	8.7	7.6	0.6	14.4	13.2	0.7	18.9	18.1	0.6
TRANSIENT CEREBRAL ISCHEMIA.....	5,873	1.7	1.9	0.4	4.0	4.1	0.4	6.5	6.5	0.3
STROKE.....	15,171	19.8	20.6	0.5	26.3	27.2	0.6	30.6	31.7	0.6
HIP FRACTURE.....	10,730	6.5	6.7	0.4	11.8	11.9	0.5	15.1	15.4	0.5
SEPSIS.....	5,205	24.8	27.3	0.9	34.3	35.5	0.9	40.4	41.7	0.8
PROCEDURES:										
ANGIOPLASTY.....	3,944	3.1	3.3	0.5	4.1	4.2	0.6	5.0	5.3	0.5
CORONARY ARTERY BYPASS GRAFT.....	5,978	6.3	5.3	0.7	8.3	7.7	0.6	9.3	9.2	0.4
INITIAL PACEMAKER INSERTION.....	4,476	3.2	3.6	0.5	6.3	6.8	0.6	9.2	9.8	0.7
CAROTID ENDOARTERECTOMY.....	2,331	1.7	1.4	0.4	2.8	2.7	0.4	4.0	4.0	0.4
HIP REPLACEMENT/RECONSTRUCTION.....	7,505	3.3	3.2	0.2	6.2	6.1	0.3	8.2	8.2	0.4
OPEN REDUCTION OF HIP FRACTURE.....	5,752	6.2	6.2	0.3	11.5	11.5	0.5	14.7	15.0	0.6
PROSTATECTOMY.....	17,181	0.9	0.9	0.1	2.1	2.2	0.2	3.5	3.6	0.1
CHOLECYSTECTOMY.....	8,046	3.0	3.0	0.2	5.4	5.2	0.3	6.7	6.8	0.3
HYSTERECTOMY.....	3,649	0.7	0.7	0.1	1.5	1.5	0.2	2.5	2.3	0.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 2,272,416									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.81	27.15	0.03	0.91	0.00	4.25	4.44	0.01	0.96	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.84	0.90	0.01	0.93	0.01					
CONGESTIVE HEART FAILURE.....	1.41	1.63	0.01	0.86	0.00					
PNEUMONIA/INFLUENZA.....	0.79	1.14	0.01	0.69	0.00					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.48	0.00	0.93	0.01					
TRANSIENT CEREBRAL ISCHEMIA.....	0.34	0.40	0.00	0.85	0.01					
STROKE.....	0.84	0.92	0.01	0.91	0.01					
HIP FRACTURE.....	0.56	0.56	0.00	**	**					
SEPSIS.....	0.34	0.34	0.00	1.03	0.01					
PROCEDURES:										
ANGIOPLASTY.....	0.27	0.27	0.00	0.98	0.01					
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.39	0.00	0.99	0.01					
INITIAL PACEMAKER INSERTION.....	0.25	0.20	0.00	1.24	0.02					
CAROTID ENDOARTERECTOMY.....	0.14	0.14	0.00	0.98	0.02					
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.43	0.00	0.93	0.01					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.28	0.00	1.06	0.01					
PROSTATECTOMY.....	0.87	0.86	0.01	1.01	0.01					
CHOLECYSTECTOMY.....	0.41	0.45	0.00	0.91	0.01					
HYSTERECTOMY.....	0.18	0.17	0.00	1.03	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

GEORGIA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	162,570	8.5	8.3	0.1	13.0	12.6	0.3	16.3	16.1	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	4,346	27.3	27.0	1.0	31.4	30.3	1.2	34.2	33.7	1.1
CONGESTIVE HEART FAILURE.....	7,052	13.6	14.1	0.5	21.9	21.9	0.9	27.9	28.5	1.0
PNEUMONIA/INFLUENZA.....	7,404	15.0	15.1	0.7	20.8	20.7	0.5	24.5	25.2	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	2,795	7.5	7.1	0.7	12.5	12.5	1.2	16.7	17.1	1.3
TRANSIENT CEREBRAL ISCHEMIA.....	2,600	2.0	1.7	0.3	4.2	3.8	0.6	6.7	6.0	1.0
STROKE.....	5,724	21.1	20.0	0.7	28.5	26.4	0.9	32.7	30.8	0.9
HIP FRACTURE.....	3,430	6.6	6.5	0.4	11.2	11.5	0.6	15.0	14.8	0.7
SEPSIS.....	1,834	28.1	26.6	2.2	36.0	34.4	2.3	41.4	40.3	2.2
PROCEDURES:										
ANGIOPLASTY.....	1,082	1.8	2.2	0.7	2.9	3.0	0.7	3.7	3.9	0.7
CORONARY ARTERY BYPASS GRAFT.....	1,483	6.3	5.1	1.1	8.1	7.3	0.9	9.2	8.6	0.9
INITIAL PACEMAKER INSERTION.....	1,129	3.1	3.0	0.6	7.1	5.8	1.2	9.3	8.4	1.3
CAROTID ENDARTERECTOMY.....	765	1.4	1.4	0.4	2.6	2.6	0.7	4.4	3.8	1.2
HIP REPLACEMENT/RECONSTRUCTION.....	2,086	3.2	3.6	0.6	6.3	6.6	0.7	8.7	8.8	0.6
OPEN REDUCTION OF HIP FRACTURE.....	1,684	6.9	5.9	1.1	11.3	11.0	1.1	15.1	14.3	1.3
PROSTATECTOMY.....	3,958	0.9	1.0	0.3	2.4	2.2	0.3	4.1	3.7	0.5
CHOLECYSTECTOMY.....	2,880	3.3	2.6	0.6	5.2	4.6	0.8	6.6	6.0	0.8
HYSTERECTOMY.....	942	0.5	0.5	0.2	1.1	1.1	0.4	1.8	1.6	0.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 753,466						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.03	31.01	0.06	1.10	0.00		4.74	4.75	0.02	1.00	0.00
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.90	0.89	0.01	1.01	0.01						
CONGESTIVE HEART FAILURE.....	1.76	1.98	0.02	0.89	0.01						
PNEUMONIA/INFLUENZA.....	1.53	1.27	0.01	1.20	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.71	0.57	0.01	1.23	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.49	0.45	0.01	1.08	0.02						
STROKE.....	1.08	1.06	0.01	1.02	0.01						
HIP FRACTURE.....	0.61	0.53	0.01	1.16	0.02						
SEPSIS.....	0.41	0.39	0.01	1.04	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.26	0.21	0.01	1.23	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.32	0.01	1.16	0.02						
INITIAL PACEMAKER INSERTION.....	0.22	0.19	0.00	1.19	0.03						
CAROTID ENDARTERECTOMY.....	0.14	0.11	0.00	1.31	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.34	0.01	1.07	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.26	0.01	1.16	0.03						
PROSTATECTOMY.....	0.68	0.69	0.01	0.99	0.01						
CHOLECYSTECTOMY.....	0.49	0.45	0.01	1.11	0.02						
HYSTERECTOMY.....	0.15	0.16	0.00	0.97	0.03						

** QUANTITIES COULD NOT BE ESTIMATED

HAWAII
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	17,063	8.4	9.4	0.3	13.2	14.2	0.3	16.6	18.0	0.4
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	547	19.4	25.7	2.7	22.7	29.0	2.9	25.4	32.5	3.0
CONGESTIVE HEART FAILURE.....	723	11.8	15.0	2.1	20.5	23.2	2.3	26.3	30.0	2.7
PNEUMONIA/INFLUENZA.....	694	13.3	15.4	2.5	19.2	21.1	2.5	22.8	25.5	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	188	8.0	7.6	2.0	13.3	13.0	2.5	17.0	17.8	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	219	0.5	1.8	1.0	0.9	4.0	1.8	2.3	6.5	2.4
STROKE.....	860	17.1	21.1	1.8	22.1	27.3	2.2	26.2	31.7	2.2
HIP FRACTURE.....	430	3.7	6.4	2.3	9.1	11.5	2.5	12.6	14.9	2.6
SEPSIS.....	224	22.8	23.9	3.1	30.4	31.3	3.5	35.7	37.1	3.4
PROCEDURES:										
ANGIOPLASTY.....	165	2.4	2.5	1.2	2.4	3.3	1.6	3.6	4.3	1.8
CORONARY ARTERY BYPASS GRAFT.....	269	7.1	5.6	1.7	12.3	8.1	3.2	12.3	9.7	2.6
INITIAL PACEMAKER INSERTION.....	111	0.9	3.1	2.7	5.4	6.0	3.3	8.1	8.8	2.9
CAROTID ENDOARTERECTOMY.....	70	1.4	1.4	1.6	1.4	2.6	2.3	2.9	3.8	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	177	2.3	2.8	1.3	5.1	5.3	2.3	5.1	7.2	2.8
OPEN REDUCTION OF HIP FRACTURE.....	267	3.7	5.7	2.6	8.6	10.8	3.3	12.7	14.3	2.6
PROSTATECTOMY.....	705	0.9	0.9	0.4	1.8	2.1	0.6	3.7	3.5	0.7
CHOLECYSTECTOMY.....	382	2.1	3.0	1.6	3.9	5.4	2.3	6.0	7.2	2.4
HYSTERECTOMY.....	88	0.0	0.7	1.1	1.1	1.5	1.4	2.3	2.3	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 128,225					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	18.98	23.60	0.14	0.80	0.00	3.47	4.04	0.06	0.86	0.01
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.58	0.80	0.02	0.74	0.02					
CONGESTIVE HEART FAILURE.....	1.01	1.27	0.03	0.79	0.02					
PNEUMONIA/INFLUENZA.....	0.73	1.01	0.03	0.74	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.24	0.40	0.02	0.58	0.03					
TRANSIENT CEREBRAL ISCHEMIA.....	0.23	0.34	0.02	0.68	0.03					
STROKE.....	0.84	0.77	0.02	1.08	0.03					
HIP FRACTURE.....	0.37	0.49	0.02	0.75	0.03					
SEPSIS.....	0.27	0.29	0.01	0.94	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.19	0.31	0.02	0.67	0.03					
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.43	0.02	0.68	0.03					
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.01	0.64	0.04					
CAROTID ENDOARTERECTOMY.....	0.08	0.14	0.01	0.54	0.04					
HIP REPLACEMENT/RECONSTRUCTION.....	0.17	0.43	0.02	0.40	0.02					
OPEN REDUCTION OF HIP FRACTURE.....	0.23	0.25	0.01	0.95	0.06					
PROSTATECTOMY.....	0.67	0.92	0.03	0.72	0.02					
CHOLECYSTECTOMY.....	0.35	0.39	0.02	0.91	0.04					
HYSTERECTOMY.....	0.08	0.17	0.01	0.42	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

IDAHO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	20,367	9.1	8.1	0.3	13.3	12.5	0.4	16.5	16.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	689	27.3	26.2	2.2	30.8	29.4	2.0	33.4	32.8	2.1
CONGESTIVE HEART FAILURE.....	793	16.1	13.9	2.2	24.5	21.7	2.5	30.1	28.3	2.0
PNEUMONIA/INFLUENZA.....	1,045	13.7	14.9	1.8	18.6	20.5	2.6	23.3	25.0	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	354	12.1	7.1	2.5	17.2	12.4	2.9	21.2	17.1	3.2
TRANSIENT CEREBRAL ISCHEMIA.....	244	1.6	1.8	1.4	3.3	4.1	1.6	6.1	6.6	1.6
STROKE.....	735	22.6	17.9	1.8	28.6	24.5	2.2	31.0	28.9	1.7
HIP FRACTURE.....	607	8.9	6.4	1.6	14.7	11.6	2.2	18.6	15.1	2.5
SEPSIS.....	176	26.1	26.6	3.4	31.8	34.6	3.8	38.6	41.2	3.9
PROCEDURES:										
ANGIOPLASTY.....	89	2.2	3.5	2.1	3.4	4.4	2.5	3.4	5.5	2.9
CORONARY ARTERY BYPASS GRAFT.....	208	5.8	4.8	2.0	7.2	6.6	3.0	10.1	7.8	3.7
INITIAL PACEMAKER INSERTION.....	138	3.6	3.1	1.8	5.8	5.7	2.1	6.5	8.1	2.8
CAROTID ENDARTERECTOMY.....	103	4.9	1.8	2.7	4.9	3.4	2.5	6.8	5.0	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	560	2.9	2.7	1.0	6.3	5.2	1.3	7.7	7.1	1.4
OPEN REDUCTION OF HIP FRACTURE.....	296	9.1	5.8	2.4	14.9	10.9	3.3	17.6	14.3	3.1
PROSTATECTOMY.....	857	1.1	0.8	0.4	2.7	2.0	0.7	3.7	3.5	0.9
CHOLECYSTECTOMY.....	530	3.6	2.9	0.9	5.3	5.0	1.1	6.4	6.6	1.3
HYSTERECTOMY.....	217	0.5	0.6	0.6	1.4	1.3	0.8	1.4	1.9	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 134,869					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.21	27.05	0.14	0.89	0.00	4.32	4.42	0.06	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.88	0.93	0.03	0.95	0.03					
CONGESTIVE HEART FAILURE.....	1.07	1.56	0.03	0.68	0.01					
PNEUMONIA/INFLUENZA.....	1.17	1.26	0.03	0.94	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.50	0.02	0.91	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.40	0.02	0.66	0.03					
STROKE.....	0.74	0.87	0.03	0.84	0.03					
HIP FRACTURE.....	0.60	0.57	0.02	1.07	0.04					
SEPSIS.....	0.21	0.30	0.01	0.70	0.04					
PROCEDURES:										
ANGIOPLASTY.....	0.24	0.26	0.01	0.85	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.39	0.02	1.02	0.05					
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.01	0.85	0.06					
CAROTID ENDARTERECTOMY.....	0.12	0.13	0.01	0.89	0.08					
HIP REPLACEMENT/RECONSTRUCTION.....	0.57	0.44	0.02	1.28	0.06					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.01	1.05	0.06					
PROSTATECTOMY.....	0.87	0.86	0.02	1.01	0.03					
CHOLECYSTECTOMY.....	0.52	0.47	0.02	1.11	0.05					
HYSTERECTOMY.....	0.21	0.18	0.01	1.28	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

ILLINOIS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		DBS	PRED	SD	DBS	PRED	SD	DBS	PRED	SD
ALL CAUSES.....	276,639	9.2	9.3	0.1	14.3	14.2	0.2	18.0	18.1	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	8,267	27.1	27.3	0.5	31.3	30.7	0.9	34.3	34.2	0.5
CONGESTIVE HEART FAILURE.....	15,416	14.7	15.1	0.4	23.5	23.3	0.7	30.0	30.1	0.6
PNEUMONIA/INFLUENZA.....	12,225	16.7	17.0	0.6	23.7	23.1	0.7	28.2	27.9	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	3,290	6.5	7.7	0.6	12.3	13.3	0.7	17.4	18.3	0.8
TRANSIENT CEREBRAL ISCHEMIA.....	5,137	2.0	1.9	0.3	4.8	4.3	0.6	7.2	6.9	0.6
STROKE.....	10,436	19.3	20.7	0.7	26.5	27.3	0.5	30.6	31.7	0.6
HIP FRACTURE.....	6,586	6.7	7.0	0.4	12.1	12.4	0.5	15.9	16.0	0.5
SEPSIS.....	3,390	27.8	27.9	1.3	37.1	36.5	1.3	42.5	42.7	1.4
PROCEDURES:										
ANGIOPLASTY.....	1,703	3.5	3.5	0.5	4.6	4.5	0.5	5.7	5.6	0.6
CORONARY ARTERY BYPASS GRAFT.....	2,546	5.6	6.1	0.8	8.7	8.6	1.1	9.9	10.2	0.7
INITIAL PACEMAKER INSERTION.....	1,803	4.2	3.9	0.5	8.0	7.3	0.8	11.2	10.5	0.9
CARDIAC ENDARTERECTOMY.....	995	2.2	1.5	0.7	2.9	2.9	0.7	4.5	4.3	0.7
HIP REPLACEMENT/RECONSTRUCTION.....	4,442	3.7	3.5	0.4	7.0	6.6	0.5	9.0	8.8	0.5
OPEN REDUCTION OF HIP FRACTURE.....	2,972	6.0	6.5	1.0	11.2	12.0	1.1	15.2	15.7	1.0
PROSTATECTOMY.....	7,951	1.2	1.2	0.1	3.1	2.8	0.2	5.0	4.7	0.4
CHOLECYSTECTOMY.....	4,739	2.9	3.1	0.4	5.5	5.6	0.5	7.2	7.3	0.4
HYSTERECTOMY.....	1,911	1.1	0.9	0.3	2.5	1.9	0.5	3.6	2.8	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 1,564,972						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.03	27.57	0.04	1.02	0.00		4.80	4.72	0.02	1.02	0.00
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.83	0.84	0.01	0.99	0.01						
CONGESTIVE HEART FAILURE.....	1.81	1.68	0.01	1.08	0.01						
PNEUMONIA/INFLUENZA.....	1.19	1.13	0.01	1.05	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.45	0.00	0.88	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.47	0.39	0.00	1.20	0.02						
STROKE.....	0.94	0.93	0.01	1.01	0.01						
HIP FRACTURE.....	0.56	0.60	0.01	0.92	0.01						
SEPSIS.....	0.38	0.36	0.00	1.06	0.01						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.24	0.00	0.95	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.34	0.00	0.99	0.01						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.00	0.93	0.02						
CARDIAC ENDARTERECTOMY.....	0.10	0.11	0.00	0.86	0.02						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.41	0.00	0.90	0.01						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.30	0.00	0.84	0.01						
PROSTATECTOMY.....	0.68	0.74	0.01	0.92	0.01						
CHOLECYSTECTOMY.....	0.40	0.40	0.00	0.98	0.01						
HYSTERECTOMY.....	0.15	0.16	0.00	0.91	0.02						

** QUANTITIES COULD NOT BE ESTIMATED

INDIANA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	159,492	9.2	8.9	0.1	13.9	13.4	0.3	17.3	17.0	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	4,876	27.9	27.3	1.1	31.8	30.5	1.3	34.3	33.9	1.0
CONGESTIVE HEART FAILURE.....	8,773	15.7	14.6	0.6	24.0	22.6	0.7	30.5	29.4	0.6
PNEUMONIA/INFLUENZA.....	7,646	15.8	16.1	0.5	22.5	22.0	0.8	26.7	26.7	0.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	2,234	7.5	7.4	1.1	12.8	12.9	0.9	17.7	17.7	0.8
TRANSIENT CEREBRAL ISCHEMIA.....	2,459	2.0	1.9	0.4	4.6	4.2	0.5	7.8	6.7	0.8
STROKE.....	5,824	21.4	20.5	0.8	27.9	26.9	0.7	32.0	31.4	0.7
HIP FRACTURE.....	4,126	7.0	6.2	0.6	11.8	11.2	0.6	14.9	14.6	0.6
SEPSIS.....	1,921	27.2	28.6	1.5	36.5	36.5	2.1	41.1	42.9	1.8
PROCEDURES:										
ANGIOPLASTY.....	1,642	4.3	3.4	0.7	5.5	4.4	0.8	6.2	5.5	0.7
CORONARY ARTERY BYPASS GRAFT.....	2,033	6.1	5.3	1.0	8.2	7.5	0.8	9.5	9.0	0.9
INITIAL PACEMAKER INSERTION.....	1,077	4.5	3.5	0.8	6.5	6.6	0.8	9.7	9.4	0.9
CAROTID ENDARTERECTOMY.....	741	1.9	1.4	0.5	3.4	2.7	0.7	5.1	3.9	1.2
HIP REPLACEMENT/RECONSTRUCTION.....	2,933	3.6	3.0	0.7	5.8	5.7	0.4	7.3	7.7	0.6
OPEN REDUCTION OF HIP FRACTURE.....	1,977	6.0	5.7	1.2	11.5	10.7	1.3	14.6	14.1	1.1
PROSTATECTOMY.....	4,853	1.1	1.1	0.2	2.4	2.4	0.4	3.5	4.0	0.4
CHOLECYSTECTOMY.....	3,182	3.6	2.8	0.5	5.8	4.9	0.6	7.2	6.3	0.6
HYSTERECTOMY.....	1,267	0.9	0.7	0.3	1.5	1.5	0.3	2.3	2.3	0.4

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 788,178						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.65	28.72	0.06	1.07	0.00		4.79	4.67	0.02	1.03	0.00
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.91	0.01	1.00	0.01						
CONGESTIVE HEART FAILURE.....	1.95	1.73	0.01	1.12	0.01						
PNEUMONIA/INFLUENZA.....	1.47	1.28	0.01	1.15	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.51	0.53	0.01	0.97	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.42	0.01	1.03	0.02						
STROKE.....	1.01	0.93	0.01	1.08	0.01						
HIP FRACTURE.....	0.65	0.60	0.01	1.09	0.02						
SEPSIS.....	0.39	0.33	0.01	1.16	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.33	0.23	0.01	1.40	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.34	0.01	1.17	0.02						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.00	1.05	0.03						
CAROTID ENDARTERECTOMY.....	0.13	0.12	0.00	1.09	0.04						
HIP REPLACEMENT/RECONSTRUCTION.....	0.45	0.41	0.01	1.10	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.32	0.29	0.01	1.09	0.02						
PROSTATECTOMY.....	0.77	0.73	0.01	1.05	0.01						
CHOLECYSTECTOMY.....	0.51	0.46	0.01	1.13	0.02						
HYSTERECTOMY.....	0.19	0.17	0.00	1.07	0.03						

** QUANTITIES COULD NOT BE ESTIMATED

IOWA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	86,461	8.8	8.4	0.1	13.4	12.8	0.3	16.7	16.3	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,914	27.5	27.5	0.9	31.8	30.9	1.4	34.2	34.4	0.9
CONGESTIVE HEART FAILURE.....	3,946	16.1	14.9	0.9	25.2	23.1	1.1	32.1	29.9	1.1
PNEUMONIA/INFLUENZA.....	4,389	15.8	15.9	1.1	22.9	21.9	1.1	27.2	26.6	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1,207	7.7	6.7	1.2	12.3	11.8	1.0	16.5	16.3	1.1
TRANSIENT CEREBRAL ISCHEMIA.....	1,318	1.3	1.8	0.7	3.3	4.0	1.0	5.5	6.4	1.3
STROKE.....	3,272	20.2	20.2	0.9	27.1	26.7	1.1	31.3	31.2	0.9
HIP FRACTURE.....	2,609	7.5	6.1	0.7	12.0	11.2	0.7	15.4	14.7	0.7
SEPSIS.....	839	23.8	25.6	1.8	32.1	33.3	2.2	36.4	39.6	2.7
PROCEDURES:										
ANGIOPLASTY.....	767	6.0	4.1	1.2	7.0	5.1	1.2	7.7	6.3	1.1
CORONARY ARTERY BYPASS GRAFT.....	936	6.2	5.3	1.3	8.9	7.5	1.8	9.8	8.9	1.6
INITIAL PACEMAKER INSERTION.....	452	3.1	3.6	1.3	4.9	6.6	1.9	8.8	9.4	1.6
CAROTID ENDARTERECTOMY.....	243	1.2	1.4	0.8	2.1	2.7	1.3	2.5	4.0	2.0
HIP REPLACEMENT/RECONSTRUCTION.....	1,973	3.3	2.9	0.4	5.6	5.6	0.5	7.0	7.5	0.7
OPEN REDUCTION OF HIP FRACTURE.....	1,190	6.8	5.6	1.1	11.5	10.7	1.1	15.0	14.2	1.2
PROSTATECTOMY.....	2,728	0.6	1.0	0.3	1.9	2.4	0.5	3.6	4.1	0.6
CHOLECYSTECTOMY.....	1,849	3.1	2.8	0.4	5.2	5.2	0.6	6.8	6.8	0.6
HYSTERECTOMY.....	689	0.6	0.7	0.4	0.7	1.5	0.7	1.2	2.2	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 472,782						MORTALITY				
	ADMISSION										
	OBS, %	PRED, %	SD, %	REL	SE		OBS, %	PRED, %	SD, %	REL	SE
ALL CAUSES.....	27.44	28.14	0.08	0.97	0.00		4.72	4.87	0.03	0.97	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.96	0.93	0.01	1.04	0.02						
CONGESTIVE HEART FAILURE.....	1.40	1.68	0.02	0.83	0.01						
PNEUMONIA/INFLUENZA.....	1.30	1.35	0.02	0.98	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.45	0.48	0.01	0.96	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.38	0.41	0.01	0.91	0.02						
STROKE.....	0.92	0.91	0.01	1.00	0.02						
HIP FRACTURE.....	0.68	0.67	0.01	1.00	0.02						
SEPSIS.....	0.28	0.31	0.01	0.90	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.29	0.22	0.01	1.30	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.35	0.01	1.04	0.03						
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.01	0.77	0.03						
CAROTID ENDARTERECTOMY.....	0.09	0.11	0.00	0.81	0.04						
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.47	0.01	1.12	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.32	0.01	0.93	0.03						
PROSTATECTOMY.....	0.76	0.78	0.01	0.98	0.02						
CHOLECYSTECTOMY.....	0.50	0.45	0.01	1.09	0.03						
HYSTERECTOMY.....	0.18	0.17	0.01	1.00	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

KANSAS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	71,603	8.8	9.0	0.1	13.4	13.7	0.3	16.6	17.4	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,138	28.4	28.1	1.1	32.2	31.7	1.3	34.2	35.3	1.1
CONGESTIVE HEART FAILURE.....	3,481	15.9	15.3	1.0	24.7	23.7	1.0	31.2	30.6	0.9
PNEUMONIA/INFLUENZA.....	4,105	14.3	16.4	0.9	20.5	22.5	1.0	24.4	27.1	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,020	6.8	7.4	0.9	12.2	13.1	1.4	17.5	18.2	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	1,055	2.2	2.0	0.5	4.0	4.5	0.8	7.1	7.2	0.8
STROKE.....	2,356	21.6	21.2	1.0	28.6	28.0	1.2	32.4	32.6	1.0
HIP FRACTURE.....	1,995	6.5	6.7	0.6	11.8	12.0	0.8	15.3	15.6	0.8
SEPSIS.....	779	24.1	27.3	2.1	31.8	35.4	2.7	37.2	41.9	2.6
PROCEDURES:										
ANGIOPLASTY.....	697	3.3	3.8	1.0	4.3	4.9	1.2	5.5	6.1	1.4
CORONARY ARTERY BYPASS GRAFT.....	727	7.2	5.0	1.5	9.6	7.3	1.7	10.6	8.7	1.6
INITIAL PACEMAKER INSERTION.....	500	3.6	3.8	1.3	7.0	7.1	1.2	9.8	10.1	1.4
CAROTID ENDARTERECTOMY.....	454	0.7	1.6	0.9	2.0	3.0	1.0	2.4	4.5	1.3
HIP REPLACEMENT/RECCNSTRUCTION.....	1,500	3.3	3.3	0.5	5.9	6.1	0.6	8.1	8.2	0.7
OPEN REDUCTION OF HIP FRACTURE.....	849	5.4	6.1	1.1	10.7	11.4	1.5	13.8	15.0	1.7
PROSTATECTOMY.....	2,493	1.0	1.1	0.2	2.2	2.5	0.3	3.6	4.1	0.5
CHOLECYSTECTOMY.....	1,432	3.0	2.8	0.7	5.0	5.1	0.8	6.3	6.7	0.9
HYSTERECTOMY.....	674	1.2	0.7	0.7	1.5	1.6	0.5	2.8	2.4	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 375,123						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.04	28.36	0.09	1.09	0.00		4.69	4.86	0.04	0.97	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.94	0.93	0.02	1.03	0.02						
CONGESTIVE HEART FAILURE.....	1.74	1.70	0.02	1.02	0.01						
PNEUMONIA/INFLUENZA.....	1.67	1.33	0.02	1.25	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.54	0.48	0.01	1.16	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.41	0.01	1.03	0.03						
STROKE.....	0.94	0.94	0.02	1.01	0.02						
HIP FRACTURE.....	0.75	0.67	0.01	1.12	0.02						
SEPSIS.....	0.35	0.33	0.01	1.07	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.38	0.22	0.01	1.75	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.35	0.01	1.02	0.03						
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.01	1.06	0.04						
CAROTID ENDARTERECTOMY.....	0.19	0.11	0.01	1.66	0.10						
HIP REPLACEMENT/RECONSTRUCTION.....	0.56	0.47	0.01	1.18	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.32	0.01	0.99	0.03						
PROSTATECTOMY.....	0.91	0.78	0.01	1.16	0.02						
CHOLECYSTECTOMY.....	0.51	0.45	0.01	1.15	0.03						
HYSTERECTOMY.....	0.23	0.17	0.01	1.24	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

KENTUCKY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	114,707	9.0	8.8	0.1	13.8	13.5	0.3	17.3	17.2	0.1
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,489	30.6	26.4	0.9	35.1	29.6	1.1	37.5	33.0	0.9
CONGESTIVE HEART FAILURE.....	5,464	16.7	14.8	0.7	25.2	23.2	0.9	31.3	30.0	0.7
PNEUMONIA/INFLUENZA.....	6,578	13.8	15.9	0.8	20.3	21.9	0.7	24.5	26.5	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	2,310	5.5	5.7	0.5	10.1	10.7	0.9	14.1	15.2	1.1
TRANSIENT CEREBRAL ISCHEMIA.....	2,156	1.5	1.9	0.3	4.1	4.2	0.4	7.2	6.7	0.6
STROKE.....	3,936	19.3	19.8	0.9	26.8	26.4	0.7	30.1	30.9	0.8
HIP FRACTURE.....	2,628	6.4	6.2	0.6	11.6	11.2	0.8	14.8	14.6	0.7
SEPSIS.....	1,138	26.9	27.4	1.8	35.1	35.5	2.6	39.9	41.7	2.1
PROCEOURES:										
ANGIOPLASTY.....	515	5.0	3.4	1.1	5.6	4.3	1.1	6.0	5.4	1.0
CORONARY ARTERY BYPASS GRAFT.....	1,195	6.4	5.1	0.9	8.2	7.3	1.0	9.3	8.8	0.9
INITIAL PACEMAKER INSERTION.....	736	3.9	3.5	0.8	6.7	6.6	1.3	10.3	9.5	1.5
CAROTIO ENOARTERECTOMY.....	576	1.6	1.4	0.5	3.6	2.7	1.0	5.2	4.0	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	1,615	3.3	3.3	0.7	6.9	6.3	1.2	9.0	8.4	1.1
OPEN REDUCTION OF HIP FRACTURE.....	1,228	5.8	5.7	0.7	10.7	10.7	0.9	13.6	14.2	1.4
PROSTATECTOMY.....	2,909	1.7	1.0	0.4	3.1	2.4	0.4	4.7	4.0	0.5
CHOLECYSTECTOMY.....	2,365	3.6	2.9	0.6	5.8	5.2	0.6	7.5	6.9	0.6
HYSTERECTOMY.....	737	0.9	0.8	0.4	1.8	1.7	0.5	3.0	2.5	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO OEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 554,411						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.14	30.95	0.07	1.10	0.00		4.86	4.71	0.03	1.03	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.99	1.00	0.01	0.99	0.01						
CONGESTIVE HEART FAILURE.....	1.94	1.85	0.02	1.05	0.01						
PNEUMONIA/INFLUENZA.....	1.93	1.55	0.02	1.24	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.84	0.67	0.01	1.22	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.58	0.48	0.01	1.18	0.02						
STROKE.....	1.07	0.98	0.01	1.08	0.01						
HIP FRACTURE.....	0.62	0.59	0.01	1.06	0.02						
SEPSIS.....	0.38	0.34	0.01	1.10	0.03						
PROCEOURES:											
ANGIOPLASTY.....	0.18	0.23	0.01	0.79	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.35	0.01	1.16	0.03						
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.01	1.15	0.04						
CAROTIO ENOARTERECTOMY.....	0.15	0.13	0.00	1.21	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.40	0.01	0.94	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.28	0.01	1.04	0.03						
PROSTATECTOMY.....	0.70	0.73	0.01	0.95	0.02						
CHOLECYSTECTOMY.....	0.57	0.52	0.01	1.10	0.02						
HYSTERECTOMY.....	0.17	0.17	0.01	0.98	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

LOUISIANA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	119,730	8.8	8.5	0.2	13.5	13.2	0.3	16.8	16.9	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,266	26.7	25.2	1.1	31.0	28.6	1.3	34.2	32.0	1.3
CONGESTIVE HEART FAILURE.....	6,650	14.6	14.0	0.6	23.0	22.1	0.8	29.0	28.8	0.6
PNEUMONIA/INFLUENZA.....	5,414	14.4	15.1	0.8	20.8	20.8	0.6	24.6	25.3	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,440	5.8	5.6	0.9	10.2	10.5	1.4	14.0	15.0	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	1,970	1.7	1.7	0.7	3.5	3.8	0.7	5.8	6.1	0.6
STROKE.....	4,089	19.6	19.5	0.7	26.5	25.9	0.9	31.0	30.4	0.8
HIP FRACTURE.....	2,069	6.4	6.2	0.6	11.0	11.2	0.7	14.2	14.5	0.8
SEPSIS.....	1,426	30.6	27.6	1.9	40.0	36.3	2.1	45.4	42.6	2.0
PROCEDURES:										
ANGIOPLASTY.....	1,046	4.9	3.3	0.9	6.3	4.3	1.1	7.4	5.5	1.1
CORONARY ARTERY BYPASS GRAFT.....	1,257	9.7	5.0	1.4	11.6	7.2	1.2	12.6	8.7	1.0
INITIAL PACEMAKER INSERTION.....	867	3.1	3.3	0.9	6.0	6.4	1.3	8.4	9.3	1.7
CAROTID ENDARTERECTOMY.....	806	1.7	1.6	0.5	3.1	3.0	0.7	4.1	4.4	0.9
HIP REPLACEMENT/RECONSTRUCTION.....	1,310	3.9	3.5	1.0	7.6	6.6	1.3	9.6	9.0	1.2
OPEN REDUCTION OF HIP FRACTURE.....	1,132	6.0	5.7	1.0	10.6	10.6	1.0	13.9	14.0	1.1
PROSTATECTOMY.....	3,503	1.3	1.1	0.3	2.6	2.5	0.4	3.7	4.1	0.5
CHOLECYSTECTOMY.....	2,219	3.3	2.9	0.4	5.8	5.2	0.6	7.0	6.8	0.6
HYSTERECTOMY.....	603	0.5	0.9	0.5	1.7	1.8	0.8	2.3	2.7	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 551,853					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	35.40	31.03	0.07	1.14	0.00	4.82	5.09	0.03	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.86	0.01	1.07	0.02					
CONGESTIVE HEART FAILURE.....	2.37	1.95	0.02	1.22	0.01					
PNEUMONIA/INFLUENZA.....	1.58	1.41	0.02	1.12	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.50	0.56	0.01	0.89	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.53	0.45	0.01	1.17	0.02					
STROKE.....	1.11	1.05	0.01	1.05	0.01					
HIP FRACTURE.....	0.51	0.56	0.01	0.92	0.02					
SEPSIS.....	0.47	0.43	0.01	1.07	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.32	0.23	0.01	1.40	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.32	0.01	1.16	0.03					
INITIAL PACEMAKER INSERTION.....	0.24	0.18	0.01	1.31	0.04					
CAROTID ENDARTERECTOMY.....	0.22	0.11	0.00	1.00	0.04					
HIP REPLACEMENT/RECONSTRUCTION.....	0.31	0.36	0.01	0.88	0.02					
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.27	0.01	1.00	0.03					
PROSTATECTOMY.....	0.83	0.72	0.01	1.15	0.02					
CHOLECYSTECTOMY.....	0.53	0.43	0.01	1.26	0.03					
HYSTERECTOMY.....	0.14	0.16	0.00	0.90	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

MAINE
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	33,790	8.8	9.0	0.2	13.5	13.6	0.3	16.9	17.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,393	23.3	27.8	1.8	27.4	31.1	1.9	30.3	34.5	1.8
CONGESTIVE HEART FAILURE.....	1,660	16.8	15.4	1.2	25.2	23.7	1.5	31.7	30.6	1.3
PNEUMONIA/INFLUENZA.....	1,511	11.4	15.4	1.5	17.7	21.1	1.5	22.2	25.6	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	672	6.1	7.9	1.5	11.2	13.5	2.1	15.9	18.4	2.6
TRANSIENT CEREBRAL ISCHEMIA.....	353	1.7	1.9	1.7	4.2	4.2	1.8	7.6	6.7	1.7
STROKE.....	1,128	19.7	20.5	1.4	27.7	27.0	1.6	30.9	31.5	1.6
HIP FRACTURE.....	908	6.4	6.4	0.8	10.4	11.6	1.7	14.3	15.1	1.7
SEPSIS.....	294	24.8	27.6	2.8	31.3	35.7	3.6	34.0	42.2	4.0
PROCEDURE:										
ANGIOPLASTY.....	151	0.7	3.3	1.9	3.3	4.4	2.5	3.3	5.7	2.1
CORONARY ARTERY BYPASS GRAFT.....	295	4.1	4.6	1.6	7.1	7.3	1.6	8.5	9.1	1.8
INITIAL PACEMAKER INSERTION.....	201	4.5	4.2	1.4	7.5	7.5	1.9	10.4	10.4	2.5
CAROTID ENDOARTERECTOMY.....	116	0.9	1.4	1.7	0.9	2.7	2.3	2.6	3.9	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	619	2.9	3.3	0.8	6.0	6.3	1.1	8.6	8.5	1.1
OPEN REDUCTION OF HIP FRACTURE.....	444	6.3	5.8	1.7	10.1	10.8	1.6	13.7	14.2	1.8
PROSTATECTOMY.....	937	1.0	1.0	0.5	2.0	2.4	0.6	3.2	3.9	0.7
CHOLECYSTECTOMY.....	578	2.6	2.5	0.7	4.7	4.4	1.0	6.6	5.7	1.6
HYSTERECTOMY.....	262	0.8	0.6	0.8	1.9	1.3	1.1	1.9	2.1	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 189,416						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.36	29.25	0.12	0.94	0.00		4.70	4.72	0.05	1.00	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.11	0.98	0.02	1.13	0.03						
CONGESTIVE HEART FAILURE.....	1.63	1.74	0.03	0.94	0.02						
PNEUMONIA/INFLUENZA.....	1.17	1.44	0.03	0.81	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.57	0.02	1.08	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.27	0.44	0.02	0.62	0.02						
STROKE.....	0.78	0.93	0.02	0.83	0.02						
HIP FRACTURE.....	0.60	0.63	0.02	0.96	0.03						
SEPSIS.....	0.24	0.31	0.01	0.76	0.03						
PROCEDURE:											
ANGIOPLASTY.....	0.18	0.23	0.01	0.81	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.35	0.01	0.86	0.04						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.01	0.81	0.05						
CAROTID ENDOARTERECTOMY.....	0.08	0.12	0.01	0.66	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.45	0.01	0.92	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.30	0.01	0.97	0.04						
PROSTATECTOMY.....	0.66	0.76	0.02	0.85	0.02						
CHOLECYSTECTOMY.....	0.39	0.50	0.02	0.79	0.03						
HYSTERECTOMY.....	0.17	0.18	0.01	0.99	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

MARYLAND
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	105,587	9.0	8.6	0.3	14.1	13.5	0.4	17.8	17.3	0.2
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,441	24.7	23.9	1.1	28.4	27.4	1.1	31.2	31.0	0.8
CONGESTIVE HEART FAILURE.....	5,482	14.8	13.7	0.6	23.7	21.9	0.9	30.9	28.8	1.0
PNEUMONIA/INFLUENZA.....	4,037	16.5	14.8	0.9	23.2	20.5	1.0	27.5	25.2	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,760	8.8	7.8	0.8	16.4	13.6	1.7	20.7	18.8	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	1,668	1.7	1.7	0.3	3.4	3.7	0.6	5.3	5.9	1.1
STROKE.....	3,979	18.9	18.4	1.0	25.8	24.8	1.0	30.4	29.2	1.2
HIP FRACTURE.....	2,219	7.1	5.2	0.7	12.4	9.8	0.9	16.1	13.1	1.1
SEPSIS.....	1,189	28.5	26.6	2.2	38.4	35.0	2.2	44.4	41.6	2.5
PROCEDURES:										
ANGIOPLASTY.....	417	2.9	2.9	0.9	4.3	4.1	1.0	5.0	5.4	1.2
CORONARY ARTERY BYPASS GRAFT.....	614	4.7	6.5	1.8	6.7	9.5	1.7	8.6	11.4	1.6
INITIAL PACEMAKER INSERTION.....	511	3.3	3.5	0.8	6.5	6.7	1.1	9.0	9.8	1.6
CAROTID ENDOARTERECTOMY.....	488	1.4	1.6	0.6	2.7	3.1	1.0	3.7	4.7	1.6
HIP REPLACEMENT/RECONSTRUCTION.....	1,450	3.3	2.8	0.6	6.6	5.6	1.0	8.8	7.7	1.1
OPEN REDUCTION OF HIP FRACTURE.....	1,108	6.6	4.7	1.1	10.9	9.2	1.3	14.8	12.5	1.6
PROSTATECTOMY.....	3,431	0.9	1.2	0.3	2.4	2.9	0.4	4.1	4.9	0.6
CHOLECYSTECTOMY.....	1,619	2.6	3.2	0.7	5.6	5.9	1.0	7.2	7.8	1.1
HYSTERECTOMY.....	680	0.7	1.1	0.6	1.9	2.4	1.1	2.5	3.5	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 506,058						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.70	27.80	0.07	1.14	0.00		4.78	4.57	0.03	1.04	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.03	0.83	0.01	1.24	0.02						
CONGESTIVE HEART FAILURE.....	1.96	1.71	0.02	1.15	0.01						
PNEUMONIA/INFLUENZA.....	1.15	1.07	0.01	1.07	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.45	0.01	1.36	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.40	0.01	1.06	0.02						
STROKE.....	1.02	0.96	0.01	1.07	0.01						
HIP FRACTURE.....	0.55	0.55	0.01	0.99	0.02						
SEPSIS.....	0.38	0.36	0.01	1.05	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.23	0.01	1.00	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.34	0.01	1.06	0.03						
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.01	0.79	0.03						
CAROTID ENDOARTERECTOMY.....	0.13	0.11	0.00	1.13	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.38	0.01	0.95	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.27	0.01	1.00	0.03						
PROSTATECTOMY.....	0.84	0.74	0.01	1.13	0.02						
CHOLECYSTECTOMY.....	0.39	0.40	0.01	0.99	0.02						
HYSTERECTOMY.....	0.16	0.16	0.01	1.01	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

MASSACHUSETTS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	165,727	8.8	9.5	0.1	14.0	14.6	0.2	17.6	18.5	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	6,043	26.8	26.4	0.8	31.5	30.0	1.1	34.5	33.6	1.1
CONGESTIVE HEART FAILURE.....	8,595	13.7	16.4	0.5	23.3	25.2	0.8	29.9	32.3	0.7
PNEUMONIA/INFLUENZA.....	7,501	16.3	17.9	0.8	23.5	24.3	0.7	28.0	29.1	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,888	7.1	7.4	1.2	12.8	13.3	1.4	17.6	18.5	1.2
TRANSIENT CEREBRAL ISCHEMIA.....	2,252	1.7	1.9	0.4	3.7	4.3	0.9	6.1	6.9	1.0
STROKE.....	5,789	17.9	21.1	0.7	25.6	28.1	0.7	30.0	32.6	0.7
HIP FRACTURE.....	4,212	5.9	7.0	0.6	10.9	12.6	0.8	14.5	16.4	0.9
SEPSIS.....	1,509	22.6	26.2	1.6	30.8	34.2	1.9	36.7	40.2	1.7
PROCEDURES:										
ANGIOPLASTY.....	572	2.1	2.7	0.7	4.4	3.9	0.8	6.8	5.2	1.1
CORONARY ARTERY BYPASS GRAFT.....	1,368	6.2	5.9	1.0	8.8	8.8	1.1	10.2	10.7	1.2
INITIAL PACEMAKER INSERTION.....	1,137	2.8	3.9	0.8	6.0	7.4	1.0	9.5	10.5	1.0
CAROTID ENDARTERECTOMY.....	495	2.0	1.4	0.7	3.2	2.6	1.0	4.8	3.8	1.7
HIP REPLACEMENT/RECONSTRUCTION.....	2,881	2.8	3.3	0.6	5.7	6.3	0.8	7.7	8.5	0.9
OPEN REDUCTION OF HIP FRACTURE.....	2,138	5.0	6.6	0.8	10.2	12.3	1.1	13.9	16.1	1.2
PROSTATECTOMY.....	4,526	0.8	1.1	0.3	2.3	2.5	0.3	4.0	4.2	0.4
CHOLECYSTECTOMY.....	2,482	2.5	3.3	0.5	4.7	5.8	0.7	6.3	7.6	0.8
HYSTERECTOMY.....	1,195	1.1	0.9	0.4	1.8	1.8	0.4	2.8	2.7	0.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 905,413									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.69	27.90	0.06	0.99	0.00	4.68	4.81	0.02	0.97	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.02	0.89	0.01	1.15	0.01					
CONGESTIVE HEART FAILURE.....	1.81	1.68	0.01	1.08	0.01					
PNEUMONIA/INFLUENZA.....	1.23	1.25	0.01	0.99	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.37	0.49	0.01	0.77	0.01					
TRANSIENT CEREBRAL ISCHEMIA.....	0.35	0.42	0.01	0.84	0.01					
STROKE.....	0.85	0.91	0.01	0.93	0.01					
HIP FRACTURE.....	0.59	0.66	0.01	0.89	0.01					
SEPSIS.....	0.26	0.33	0.01	0.82	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.14	0.22	0.00	0.64	0.01					
CORONARY ARTERY BYPASS GRAFT.....	0.28	0.34	0.01	0.82	0.01					
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.00	0.92	0.02					
CAROTID ENDARTERECTOMY.....	0.07	0.11	0.00	0.63	0.02					
HIP REPLACEMENT/RECONSTRUCTION.....	0.37	0.45	0.01	0.82	0.01					
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.32	0.01	0.95	0.02					
PROSTATECTOMY.....	0.61	0.71	0.01	0.86	0.01					
CHOLECYSTECTOMY.....	0.35	0.43	0.01	0.81	0.01					
HYSTERECTOMY.....	0.15	0.18	0.00	0.85	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

MICHIGAN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	221,387	9.5	9.5	0.1	14.6	14.3	0.2	18.2	18.1	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	7,440	26.2	26.5	0.6	30.6	29.9	0.8	33.3	33.3	0.6
CONGESTIVE HEART FAILURE.....	12,221	15.2	15.2	0.4	23.4	23.4	0.6	30.1	30.2	0.8
PNEUMONIA/INFLUENZA.....	8,959	16.0	16.5	0.6	22.7	22.4	0.5	27.3	27.1	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	2,564	8.0	9.7	0.9	14.0	15.6	1.2	18.8	20.7	1.0
TRANSIENT CEREBRAL ISCHEMIA.....	3,810	1.7	1.9	0.3	3.9	4.2	0.4	6.1	6.7	0.5
STROKE.....	8,486	19.6	20.1	0.6	27.2	27.0	0.5	31.4	31.4	0.6
HIP FRACTURE.....	5,058	7.2	6.9	0.5	13.2	12.2	0.8	16.6	15.8	0.7
SEPSIS.....	2,702	27.6	28.1	0.9	36.3	36.6	1.3	41.8	42.8	1.1
PROCEDURES:										
ANGIOPLASTY.....	1,755	3.9	3.4	0.6	4.7	4.4	0.7	5.8	5.5	0.7
CORONARY ARTERY BYPASS GRAFT.....	2,943	5.4	5.0	0.7	7.5	7.2	0.7	8.7	8.6	0.5
INITIAL PACEMAKER INSERTION.....	1,542	2.5	3.5	0.9	5.8	6.6	1.0	8.6	9.5	1.3
CAROTID ENDARTERECTOMY.....	1,518	1.1	1.5	0.5	2.3	2.8	0.6	3.6	4.1	0.6
HIP REPLACEMENT/RECONSTRUCTION.....	4,122	3.2	3.0	0.4	6.2	5.7	0.5	7.9	7.6	0.5
OPEN REDUCTION OF HIP FRACTURE.....	2,652	6.6	6.3	0.8	12.9	11.7	1.1	16.3	15.3	1.1
PROSTATECTOMY.....	7,704	0.8	0.9	0.1	2.1	2.1	0.2	3.5	3.4	0.2
CHOLECYSTECTOMY.....	4,494	2.8	2.7	0.3	4.8	4.7	0.4	6.4	6.1	0.5
HYSTERECTOMY.....	1,755	1.1	0.7	0.4	1.8	1.5	0.4	2.5	2.2	0.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 1,273,145						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.94	27.58	0.05	1.01	0.00		4.64	4.54	0.02	1.02	0.00
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.85	0.01	1.09	0.01						
CONGESTIVE HEART FAILURE.....	1.81	1.66	0.01	1.09	0.01						
PNEUMONIA/INFLUENZA.....	1.09	1.16	0.01	0.94	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.49	0.01	0.81	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.43	0.40	0.01	1.10	0.02						
STROKE.....	0.97	0.91	0.01	1.06	0.01						
HIP FRACTURE.....	0.52	0.55	0.01	0.95	0.01						
SEPSIS.....	0.37	0.33	0.00	1.11	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.25	0.23	0.00	1.04	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.34	0.00	1.17	0.02						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.00	0.99	0.02						
CAROTID ENDARTERECTOMY.....	0.18	0.12	0.00	1.45	0.04						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.40	0.01	1.06	0.01						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.27	0.00	1.02	0.02						
PROSTATECTOMY.....	0.79	0.75	0.01	1.06	0.01						
CHOLECYSTECTOMY.....	0.45	0.42	0.01	1.08	0.01						
HYSTERECTOMY.....	0.17	0.17	0.00	1.02	0.02						

** QUANTITIES COULD NOT BE ESTIMATED

MINNESOTA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	103,156	8.4	8.6	0.2	12.6	13.2	0.3	15.9	16.8	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,456	26.0	27.1	0.8	30.2	30.6	1.3	32.8	34.2	0.9
CONGESTIVE HEART FAILURE.....	4,492	16.3	15.7	0.6	24.8	24.4	1.0	31.8	31.4	0.7
PNEUMONIA/INFLUENZA.....	4,898	15.9	17.7	0.7	22.1	24.2	0.9	27.1	29.1	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,171	9.7	7.8	1.3	16.1	13.8	1.5	20.9	18.9	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	1,392	2.0	1.9	0.4	4.1	4.3	0.6	6.5	6.8	0.8
STROKE.....	3,480	22.0	21.4	0.8	28.1	28.0	0.8	32.0	32.6	0.8
HIP FRACTURE.....	2,822	6.1	6.4	0.6	10.5	11.6	0.9	13.6	15.1	1.1
SEPSIS.....	954	20.9	26.1	2.0	28.8	34.3	2.2	33.6	40.7	2.4
PROCEDURES:										
ANGIOPLASTY.....	804	3.2	2.9	0.7	4.0	4.0	0.8	4.9	5.0	0.8
CORONARY ARTERY BYPASS GRAFT.....	1,063	5.7	5.6	1.1	7.8	8.1	1.6	8.6	9.6	1.6
INITIAL PACEMAKER INSERTION.....	610	5.1	3.9	1.4	8.0	7.1	1.3	10.5	9.9	1.4
CAROTID ENDARTERECTOMY.....	287	1.0	1.4	0.9	2.4	2.7	1.3	3.5	3.9	1.3
HIP REPLACEMENT/RECONSTRUCTION.....	2,701	1.9	2.6	0.4	3.8	4.9	0.6	5.2	6.7	0.7
OPEN REDUCTION OF HIP FRACTURE.....	1,208	6.8	6.0	1.0	11.1	11.2	1.2	14.7	14.8	1.0
PROSTATECTOMY.....	3,821	0.9	0.9	0.2	2.3	2.2	0.4	3.6	3.8	0.4
CHOLECYSTECTOMY.....	2,034	3.2	2.8	0.4	5.1	5.1	0.5	6.3	6.7	0.6
HYSTERECTOMY.....	1,006	1.1	0.8	0.4	1.9	1.7	0.9	3.7	2.6	0.9

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 608,117						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.18	27.55	0.07	0.88	0.00		4.57	4.81	0.03	0.95	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.91	0.01	0.93	0.01						
CONGESTIVE HEART FAILURE.....	1.31	1.63	0.02	0.80	0.01						
PNEUMONIA/INFLUENZA.....	1.18	1.32	0.01	0.89	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.33	0.48	0.01	0.71	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.31	0.40	0.01	0.76	0.02						
STROKE.....	0.77	0.90	0.01	0.86	0.01						
HIP FRACTURE.....	0.60	0.67	0.01	0.90	0.01						
SEPSIS.....	0.25	0.32	0.01	0.75	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.21	0.23	0.01	0.90	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.36	0.01	0.84	0.02						
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.01	0.70	0.02						
CAROTID ENDARTERECTOMY.....	0.06	0.12	0.00	0.48	0.02						
HIP REPLACEMENT/RECONSTRUCTION.....	0.51	0.47	0.01	1.07	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.32	0.01	0.79	0.02						
PROSTATECTOMY.....	0.72	0.80	0.01	0.90	0.01						
CHOLECYSTECTOMY.....	0.41	0.44	0.01	0.92	0.02						
HYSTERECTOMY.....	0.18	0.18	0.00	0.99	0.03						

** QUANTITIES COULD NOT BE ESTIMATED

MISSISSIPPI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	86,207	8.3	8.3	0.1	12.8	12.9	0.3	16.0	16.6	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,167	31.2	28.4	1.3	35.1	31.9	1.5	37.7	35.6	1.2
CONGESTIVE HEART FAILURE.....	4,335	15.8	14.6	0.7	24.2	22.9	1.1	29.9	29.7	0.8
PNEUMONIA/INFLUENZA.....	4,150	12.3	15.8	0.8	18.1	21.8	0.7	21.9	26.4	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1,433	6.3	6.5	0.9	10.5	12.0	1.1	14.7	16.7	1.5
TRANSIENT CEREBRAL ISCHEMIA.....	1,760	1.4	1.9	0.5	3.8	4.2	0.7	5.6	6.7	1.1
STROKE.....	3,018	23.6	20.6	1.1	30.9	27.2	1.2	35.1	31.8	1.2
HIP FRACTURE.....	1,478	6.4	6.5	0.7	11.0	11.6	1.1	14.1	15.1	1.5
SEPSIS.....	888	31.0	28.7	1.8	39.3	37.5	1.7	44.5	44.0	2.0
PROCEDURES:										
ANGIOPLASTY.....	209	3.8	3.4	1.6	7.2	4.4	2.8	7.2	5.5	2.7
CORONARY ARTERY BYPASS GRAFT.....	500	6.6	4.3	1.4	8.4	6.2	1.5	9.6	7.6	1.5
INITIAL PACEMAKER INSERTION.....	528	2.7	3.6	1.3	5.7	6.8	1.5	8.9	9.7	1.4
CAROTID ENDOARTERECTOMY.....	341	1.2	1.5	0.7	2.9	2.8	0.9	4.1	4.2	1.1
HIP REPLACEMENT/RECONSTRUCTION.....	871	5.1	4.0	1.3	8.7	7.5	1.5	10.9	9.9	1.4
OPEN REDUCTION OF HIP FRACTURE.....	714	5.3	6.0	1.1	9.7	11.2	1.8	12.3	14.7	2.5
PROSTATECTOMY.....	2,025	1.2	1.2	0.2	3.1	2.8	0.6	4.6	4.7	0.5
CHOLECYSTECTOMY.....	1,405	2.5	2.6	0.5	4.7	4.7	0.9	5.8	6.2	0.8
HYSTERECTOMY.....	491	0.4	0.7	0.4	1.6	1.5	0.6	2.4	2.2	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 381,353						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	40.20	32.62	0.09	1.23	0.00		4.86	5.07	0.04	0.96	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.97	0.90	0.01	1.08	0.02						
CONGESTIVE HEART FAILURE.....	2.30	2.05	0.02	1.12	0.01						
PNEUMONIA/INFLUENZA.....	1.82	1.48	0.02	1.23	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.75	0.58	0.01	1.27	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.72	0.47	0.01	1.50	0.04						
STROKE.....	1.26	1.12	0.02	1.13	0.02						
HIP FRACTURE.....	0.55	0.55	0.01	**	**						
SEPSIS.....	0.46	0.43	0.01	1.04	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.14	0.21	0.01	0.70	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.31	0.01	0.98	0.03						
INITIAL PACEMAKER INSERTION.....	0.24	0.18	0.01	1.32	0.06						
CAROTID ENDOARTERECTOMY.....	0.16	0.11	0.01	1.41	0.08						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.34	0.01	0.99	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.27	0.01	0.96	0.03						
PROSTATECTOMY.....	0.75	0.72	0.01	1.03	0.02						
CHOLECYSTECTOMY.....	0.53	0.45	0.01	1.19	0.03						
HYSTERECTOMY.....	0.17	0.16	0.01	1.11	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

MISSOURI
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	160,950	9.0	9.2	0.1	13.9	14.0	0.2	17.4	17.8	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTIDN.....	5,188	25.4	27.3	1.1	29.5	30.7	1.1	32.5	34.3	1.1
CONGESTIVE HEART FAILURE.....	8,082	14.6	15.0	0.5	23.2	23.2	0.7	29.3	30.1	0.8
PNEUMONIA/INFLUENZA.....	8,402	14.9	16.4	1.0	21.6	22.4	0.8	25.9	27.1	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	2,850	7.1	7.1	0.6	12.0	12.5	1.0	16.2	17.3	1.3
TRANSIENT CEREBRAL ISCHEMIA.....	2,415	1.2	1.8	0.4	3.4	4.1	0.6	5.3	6.5	0.8
STROKE.....	6,250	19.0	20.3	0.7	25.2	26.8	0.8	29.2	31.3	1.0
HIP FRACTURE.....	4,168	6.0	6.3	0.4	10.7	11.4	0.7	14.4	14.8	0.6
SEPSIS.....	1,756	28.1	26.9	1.6	36.6	34.8	1.4	40.9	41.0	1.4
PROCEDURES:										
ANGIOPLASTY.....	2,227	4.5	3.5	0.6	5.8	4.5	0.7	6.7	5.7	0.7
CORONARY ARTERY BYPASS GRAFT.....	2,690	5.9	5.5	0.5	8.7	7.9	0.9	10.1	9.4	0.9
INITIAL PACEMAKER INSERTIDN.....	1,240	4.0	3.7	0.7	7.7	7.1	1.2	11.2	10.2	1.6
CARDIAC ENDARTERECTOMY.....	830	1.8	1.6	0.5	2.3	3.1	0.7	3.5	4.6	1.0
HIP REPLACEMENT/RECONSTRUCTION.....	2,997	3.5	3.3	0.4	6.3	6.3	0.4	8.7	8.5	0.7
OPEN REDUCTION OF HIP FRACTURE.....	1,997	6.0	5.9	0.6	10.7	11.0	0.8	14.4	14.5	0.8
PROSTATECTOMY.....	4,924	1.1	1.1	0.2	2.6	2.7	0.3	4.4	4.5	0.3
CHOLECYSTECTOMY.....	2,986	3.6	3.2	0.6	5.6	5.6	0.5	7.1	7.4	0.7
HYSTERECTOMY.....	1,338	0.7	0.9	0.3	1.3	1.9	0.5	2.1	2.8	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 811,534									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.50	29.29	0.06	0.97	0.00	4.85	4.82	0.02	1.00	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.94	0.01	0.96	0.01					
CONGESTIVE HEART FAILURE.....	1.73	1.79	0.01	0.96	0.01					
PNEUMONIA/INFLUENZA.....	1.49	1.36	0.01	1.09	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.53	0.01	1.15	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.43	0.01	0.92	0.02					
STROKE.....	1.02	0.97	0.01	1.05	0.01					
HIP FRACTURE.....	0.65	0.63	0.01	1.04	0.01					
SEPSIS.....	0.33	0.34	0.01	0.97	0.02					
PROCEDURES:										
ANGIOPLASTY.....	0.35	0.22	0.00	1.53	0.04					
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.34	0.01	1.19	0.02					
INITIAL PACEMAKER INSERTION.....	0.21	0.19	0.00	1.06	0.03					
CAROTID ENDARTERECTOMY.....	0.13	0.12	0.00	1.03	0.04					
HIP REPLACEMENT/RECONSTRUCTION.....	0.44	0.43	0.01	1.02	0.02					
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.30	0.01	1.03	0.02					
PROSTATECTOMY.....	0.74	0.75	0.01	0.99	0.01					
CHOLECYSTECTOMY.....	0.45	0.46	0.01	0.98	0.02					
HYSTERECTOMY.....	0.18	0.17	0.00	1.04	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

MONTANA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	24,333	7.2	7.9	0.2	11.2	12.2	0.3	14.2	15.8	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	636	24.5	27.0	2.5	28.5	30.2	3.0	30.3	33.6	3.3
CONGESTIVE HEART FAILURE.....	972	11.6	14.3	1.6	19.5	22.4	2.1	25.4	29.2	2.3
PNEUMONIA/INFLUENZA.....	1,081	10.8	15.4	1.6	17.0	21.3	1.8	21.4	25.8	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	506	9.1	7.8	1.7	15.4	13.7	2.3	20.9	18.9	3.1
TRANSIENT CEREBRAL ISCHEMIA.....	296	1.7	2.1	1.3	3.0	4.7	1.9	4.1	7.5	2.5
STROKE.....	715	19.7	20.1	1.5	24.5	26.7	1.8	27.0	31.2	2.2
HIP FRACTURE.....	570	8.8	6.0	1.5	11.9	10.8	1.5	15.3	14.2	1.5
SEPSIS.....	198	21.7	26.4	3.7	26.8	34.4	4.6	31.8	40.7	5.1
PROCEDURES:										
ANGIOPLASTY.....	331	3.0	3.3	1.0	4.2	4.3	1.1	5.1	5.4	1.3
CORONARY ARTERY BYPASS GRAFT.....	258	7.0	6.0	1.5	7.8	8.4	1.8	8.1	10.0	2.0
INITIAL PACEMAKER INSERTION.....	131	2.3	3.0	1.8	5.3	5.7	2.2	8.4	8.3	2.4
CAROTID ENDARTERECTOMY.....	110	1.8	1.5	1.6	3.6	2.9	2.0	6.4	4.2	3.0
HIP REPLACEMENT/RECONSTRUCTION.....	530	2.6	2.4	0.8	4.7	4.5	1.0	5.8	6.1	1.1
OPEN REDUCTION OF HIP FRACTURE.....	230	8.7	5.7	2.5	11.3	10.7	2.3	15.7	14.1	2.6
PROSTATECTOMY.....	753	0.9	0.9	0.3	2.3	2.1	0.6	3.3	3.6	0.9
CHOLECYSTECTOMY.....	442	3.4	2.7	1.2	5.9	5.0	1.3	6.8	6.6	1.2
HYSTERECTOMY.....	164	1.2	0.7	0.9	1.8	1.5	1.1	2.4	2.4	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 120,561						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.08	27.53	0.15	1.16	0.01		4.30	4.55	0.06	0.94	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.93	0.03	0.93	0.03						
CONGESTIVE HEART FAILURE.....	1.45	1.58	0.04	0.92	0.02						
PNEUMONIA/INFLUENZA.....	1.39	1.34	0.03	1.04	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.76	0.52	0.02	1.41	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.41	0.02	0.83	0.04						
STROKE.....	0.89	0.87	0.03	1.01	0.03						
HIP FRACTURE.....	0.61	0.58	0.02	1.03	0.04						
SEPSIS.....	0.28	0.30	0.02	0.95	0.06						
PROCEDURES:											
ANGIOPLASTY.....	0.45	0.25	0.01	1.79	0.12						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.38	0.02	1.09	0.06						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.01	0.86	0.07						
CAROTID ENDARTERECTOMY.....	0.11	0.13	0.01	0.90	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.60	0.44	0.02	1.33	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.28	0.01	0.84	0.05						
PROSTATECTOMY.....	0.84	0.83	0.03	0.99	0.03						
CHOLECYSTECTOMY.....	0.48	0.47	0.02	1.04	0.05						
HYSTERECTOMY.....	0.17	0.18	0.01	0.96	0.08						

** QUANTITIES COULD NOT BE ESTIMATED

NEBRASKA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	44,545	9.6	8.7	0.2	14.4	13.3	0.5	17.7	17.0	0.2
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,592	27.6	27.4	1.2	32.3	30.8	1.7	34.7	34.4	1.3
CONGESTIVE HEART FAILURE.....	2,087	16.3	15.2	1.4	26.1	23.5	1.9	32.6	30.4	1.8
PNEUMONIA/INFLUENZA.....	2,432	16.6	16.5	1.1	24.0	22.6	1.5	28.8	27.4	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	568	9.9	7.8	2.3	16.5	13.7	2.9	21.3	19.0	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	468	2.8	1.9	1.0	6.8	4.3	1.6	9.4	6.9	1.8
STROKE.....	1,590	21.6	21.3	1.2	27.5	27.8	1.2	31.1	32.4	1.3
HIP FRACTURE.....	1,411	8.4	6.5	1.0	13.7	11.9	1.1	16.6	15.5	1.2
SEPSIS.....	361	21.9	25.1	2.8	30.2	32.9	3.8	34.6	39.3	3.5
PROCEOURES:										
ANGIOPLASTY.....	316	6.6	3.7	1.7	7.3	4.6	1.8	8.2	5.8	1.9
CORONARY ARTERY BYPASS GRAFT.....	489	8.8	5.4	2.0	11.7	7.6	2.2	12.9	9.0	2.3
INITIAL PACEMAKER INSERTION.....	342	4.1	3.2	1.2	7.6	6.2	1.7	9.4	8.9	1.6
CAROTIO ENOARTERECTOMY.....	249	1.2	1.6	0.9	3.6	3.1	1.3	4.0	4.6	1.6
HIP REPLACEMENT/RECONSTRUCTION.....	1,197	3.4	3.0	0.6	6.2	5.6	0.9	7.9	7.6	0.9
OPEN REDUCTION OF HIP FRACTURE.....	471	7.4	6.0	2.2	14.6	11.4	2.7	17.2	15.0	2.8
PROSTATECTOMY.....	1,671	1.3	1.1	0.3	2.8	2.5	0.5	4.8	4.2	0.9
CHOLECYSTECTOMY.....	965	3.3	2.9	0.7	5.5	5.2	0.8	6.6	6.8	0.8
HYSTERECTOMY.....	467	0.6	0.9	0.6	1.1	1.8	1.0	1.5	2.7	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 247,170						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	26.27	28.36	0.11	0.93	0.00		4.82	4.90	0.04	0.99	0.01
CONDICTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.94	0.02	0.97	0.02						
CONGESTIVE HEART FAILURE.....	1.41	1.70	0.03	0.83	0.01						
PNEUMONIA/INFLUENZA.....	1.44	1.36	0.02	1.06	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.39	0.48	0.01	0.83	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.41	0.01	0.68	0.02						
STROKE.....	0.86	0.93	0.02	0.92	0.02						
HIP FRACTURE.....	0.72	0.68	0.02	1.07	0.03						
SEPSIS.....	0.24	0.32	0.01	0.75	0.03						
PROCEOURES:											
ANGIOPLASTY.....	0.20	0.22	0.01	0.92	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.29	0.35	0.01	0.82	0.03						
INITIAL PACEMAKER INSERTION.....	0.19	0.20	0.01	0.93	0.05						
CAROTIO ENOARTERECTOMY.....	0.13	0.11	0.01	1.14	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.58	0.48	0.01	1.22	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.24	0.32	0.01	0.78	0.03						
PROSTATECTOMY.....	0.84	0.80	0.02	1.03	0.02						
CHOLECYSTECTOMY.....	0.49	0.46	0.01	1.07	0.03						
HYSTERECTOMY.....	0.22	0.17	0.01	1.26	0.07						

** QUANTITIES COULO NOT BE ESTIMATED

NEVADA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	23,779	9.9	9.1	0.3	14.6	13.6	0.4	18.0	17.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	900	25.7	24.2	2.8	29.2	27.1	2.8	32.0	30.2	3.0
CONGESTIVE HEART FAILURE.....	1,127	13.9	13.8	1.4	23.1	21.4	1.8	28.7	27.9	1.4
PNEUMONIA/INFLUENZA.....	981	14.1	14.4	1.2	19.2	19.7	1.3	22.1	23.9	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	468	9.4	8.2	1.6	13.2	13.6	1.8	19.0	18.3	2.3
TRANSIENT CEREBRAL ISCHEMIA.....	337	1.5	1.7	0.8	3.6	3.8	1.4	6.5	6.0	1.5
STROKE.....	835	21.1	18.9	2.3	26.6	25.1	2.3	30.3	29.2	1.9
HIP FRACTURE.....	613	4.6	6.1	2.0	9.0	10.7	2.3	12.6	13.8	2.2
SEPSIS.....	255	27.8	26.7	3.2	34.5	34.9	3.1	38.0	41.2	4.2
PROCEDURES:										
ANGIOPLASTY.....	366	4.6	4.2	1.3	6.3	5.2	1.6	7.4	6.4	1.9
CORONARY ARTERY BYPASS GRAFT.....	430	9.5	6.0	2.0	13.5	8.3	2.8	14.0	9.7	2.4
INITIAL PACEMAKER INSERTION.....	183	3.8	3.5	1.5	4.4	6.4	2.2	6.6	9.0	2.9
CAROTID ENDARTERECTOMY.....	176	2.3	1.5	1.3	4.0	2.8	2.1	5.1	4.1	2.1
HIP REPLACEMENT/RECONSTRUCTION.....	484	2.9	3.1	0.8	6.6	5.6	1.4	8.3	7.3	1.7
OPEN REDUCTION OF HIP FRACTURE.....	323	2.5	5.6	1.9	5.3	10.3	2.7	9.0	13.5	2.8
PROSTATECTOMY.....	974	0.9	0.9	0.3	1.5	2.1	0.5	2.6	3.5	0.8
CHOLECYSTECTOMY.....	498	5.0	2.8	1.2	7.4	5.0	1.5	8.8	6.5	1.6
HYSTERECTOMY.....	179	0.0	0.8	1.0	0.0	1.7	1.7	1.1	2.6	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 135,655						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.56	25.82	0.14	0.95	0.00		4.19	3.95	0.05	1.06	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.79	0.87	0.02	0.91	0.03						
CONGESTIVE HEART FAILURE.....	1.32	1.49	0.03	0.89	0.02						
PNEUMONIA/INFLUENZA.....	0.98	1.01	0.03	0.97	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.60	0.51	0.02	1.17	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.29	0.39	0.02	0.75	0.03						
STROKE.....	0.74	0.84	0.02	0.89	0.03						
HIP FRACTURE.....	0.52	0.45	0.02	1.16	0.05						
SEPSIS.....	0.30	0.31	0.01	0.98	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.33	0.32	0.02	1.05	0.05						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.43	0.02	1.00	0.04						
INITIAL PACEMAKER INSERTION.....	0.16	0.19	0.01	0.88	0.06						
CAROTID ENDARTERECTOMY.....	0.15	0.16	0.01	0.88	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.38	0.02	1.11	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.23	0.01	1.20	0.07						
PROSTATECTOMY.....	0.87	0.87	0.02	**	**						
CHOLECYSTECTOMY.....	0.46	0.45	0.02	1.02	0.04						
HYSTERECTOMY.....	0.15	0.17	0.01	0.92	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

NEW HAMPSHIRE
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	22,893	9.4	9.2	0.3	14.4	14.0	0.3	17.9	17.7	0.3
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	993	28.6	27.0	2.5	33.0	30.5	2.4	35.5	34.0	1.9
CONGESTIVE HEART FAILURE.....	1,172	14.3	14.8	1.2	23.1	22.9	1.3	30.5	29.6	1.9
PNEUMONIA/INFLUENZA.....	995	14.8	16.0	1.9	20.1	21.8	2.7	23.9	26.3	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	395	9.9	8.4	1.8	16.2	14.1	3.2	21.0	19.1	3.2
TRANSIENT CEREBRAL ISCHEMIA.....	252	2.4	1.9	0.9	4.0	4.3	2.0	9.5	6.8	2.8
STROKE.....	855	19.2	21.0	2.0	26.9	27.6	2.2	30.8	32.1	2.2
HIP FRACTURE.....	699	6.6	6.6	0.9	11.4	11.9	1.3	16.6	15.5	1.9
SEPSIS.....	213	24.9	25.9	4.0	28.6	33.6	3.7	35.2	39.7	3.7
PROCEOURES:										
ANGIOPLASTY.....	127	8.7	3.2	2.4	8.7	4.2	2.7	8.7	5.3	3.3
CORONARY ARTERY BYPASS GRAFT.....	225	7.1	5.7	2.1	9.8	8.1	3.3	11.6	9.6	3.4
INITIAL PACEMAKER INSERTION.....	122	7.4	3.3	2.7	8.2	5.9	3.3	10.7	8.4	3.1
CAROTIO ENOARTERECTOMY.....	60	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
HIP REPLACEMENT/RECONSTRUCTION.....	479	3.8	3.3	1.0	6.5	6.4	1.1	8.8	8.7	1.3
OPEN REOUCTION OF HIP FRACTURE.....	323	7.7	6.1	2.2	13.0	11.5	3.3	18.0	15.1	4.6
PROSTATECTOMY.....	616	0.2	0.9	0.7	1.5	2.1	0.9	2.9	3.6	1.4
CHOLECYSTECTOMY.....	447	3.1	2.7	0.9	5.1	4.7	1.1	5.8	6.2	1.2
HYSTERECTOMY.....	221	1.4	1.0	0.8	2.3	2.3	1.0	3.2	3.5	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 140,945					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.90	27.61	0.14	0.90	0.00	4.70	4.61	0.06	1.02	0.01
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.07	0.91	0.03	1.17	0.03					
CONGESTIVE HEART FAILURE.....	1.54	1.63	0.03	0.95	0.02					
PNEUMONIA/INFLUENZA.....	1.03	1.24	0.03	0.84	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.50	0.02	0.95	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.41	0.02	0.72	0.03					
STROKE.....	0.81	0.89	0.02	0.91	0.03					
HIP FRACTURE.....	0.60	0.62	0.02	0.97	0.03					
SEPSIS.....	0.22	0.31	0.01	0.70	0.04					
PROCEOURES:										
ANGIOPLASTY.....	0.19	0.23	0.01	0.82	0.05					
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.36	0.02	0.96	0.05					
INITIAL PACEMAKER INSERTION.....	0.14	0.19	0.01	0.75	0.05					
CAROTIO ENOARTERECTOMY.....	0.06	0.12	0.01	0.42	0.04					
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.44	0.02	0.97	0.04					
OPEN REOUCTION OF HIP FRACTURE.....	0.29	0.29	0.01	0.97	0.05					
PROSTATECTOMY.....	0.58	0.76	0.02	0.76	0.02					
CHOLECYSTECTOMY.....	0.41	0.46	0.02	0.91	0.04					
HYSTERECTOMY.....	0.17	0.18	0.01	0.93	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

NEW JERSEY
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	203,328	9.6	9.4	0.1	15.2	14.4	0.3	19.0	18.3	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	6,337	26.9	27.9	0.8	32.1	31.3	0.8	35.0	34.7	0.6
CONGESTIVE HEART FAILURE.....	11,763	15.1	15.6	0.4	24.6	24.1	0.6	31.6	31.0	0.6
PNEUMONIA/INFLUENZA.....	7,433	20.6	18.4	0.5	28.0	24.7	0.6	32.4	29.7	0.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	2,846	8.6	9.2	0.8	15.6	15.5	0.7	21.2	20.9	0.8
TRANSIENT CEREBRAL ISCHEMIA.....	4,429	1.9	2.0	0.2	4.6	4.4	0.4	7.1	6.9	0.5
STROKE.....	7,920	19.6	20.9	0.5	27.9	27.7	0.5	32.5	32.1	0.6
HIP FRACTURE.....	4,521	7.1	7.1	0.4	13.4	12.6	0.7	17.1	16.3	0.8
SEPSIS.....	2,333	30.3	30.3	1.4	42.1	38.7	1.4	47.8	45.0	1.3
PROCEDURES:										
ANGIOPLASTY.....	835	1.8	2.4	1.0	2.4	3.2	1.1	3.2	4.3	1.1
CORONARY ARTERY BYPASS GRAFT.....	1,555	7.3	5.8	1.5	10.2	8.6	1.5	11.3	10.3	1.3
INITIAL PACEMAKER INSERTION.....	1,778	3.9	3.9	0.5	7.5	7.3	0.6	10.7	10.4	0.9
CAROTID ENDARTERECTOMY.....	728	2.6	1.5	0.8	4.3	2.8	1.0	5.9	4.1	1.4
HIP REPLACEMENT/RECONSTRUCTION.....	2,581	4.0	3.8	0.4	8.4	7.1	0.9	10.7	9.6	0.8
OPEN REDUCTION OF HIP FRACTURE.....	2,422	6.0	6.7	1.0	11.5	12.3	1.1	15.4	16.1	1.0
PROSTATECTOMY.....	6,823	1.0	1.2	0.3	3.0	2.7	0.3	4.5	4.5	0.3
CHOLECYSTECTOMY.....	3,271	3.4	3.2	0.4	5.9	5.7	0.4	7.9	7.4	0.6
HYSTERECTOMY.....	1,303	0.9	0.9	0.4	1.8	2.0	0.5	2.5	3.0	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 1,004,969						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	29.37	27.08	0.05	1.08	0.00		4.77	4.53	0.02	1.05	0.00
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.86	0.84	0.01	1.03	0.01						
CONGESTIVE HEART FAILURE.....	1.98	1.64	0.01	1.21	0.01						
PNEUMONIA/INFLUENZA.....	0.98	1.06	0.01	0.92	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.44	0.01	1.03	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.55	0.39	0.01	1.40	0.02						
STROKE.....	0.98	0.92	0.01	1.06	0.01						
HIP FRACTURE.....	0.53	0.58	0.01	0.92	0.01						
SEPSIS.....	0.35	0.34	0.01	1.01	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.19	0.24	0.00	0.79	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.35	0.01	**	**						
INITIAL PACEMAKER INSERTION.....	0.22	0.20	0.00	1.13	0.03						
CAROTID ENDARTERECTOMY.....	0.10	0.12	0.00	0.90	0.03						
HIP REPLACEMENT/RECONSTRUCTION.....	0.33	0.41	0.01	0.82	0.01						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.29	0.00	0.98	0.02						
PROSTATECTOMY.....	0.79	0.75	0.01	1.06	0.01						
CHOLECYSTECTOMY.....	0.37	0.40	0.01	0.91	0.01						
HYSTERECTOMY.....	0.14	0.17	0.00	0.88	0.02						

** QUANTITIES COULD NOT BE ESTIMATED

NEW MEXICO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	29,285	8.7	8.4	0.2	13.1	12.8	0.3	16.0	16.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	878	23.6	23.9	1.7	26.7	27.1	1.5	27.9	30.5	1.8
CONGESTIVE HEART FAILURE.....	1,114	12.6	14.0	1.7	20.3	21.9	2.5	25.9	28.5	2.5
PNEUMONIA/INFLUENZA.....	1,907	14.4	14.9	0.9	19.9	20.6	1.0	23.2	25.1	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	487	7.6	7.1	1.6	13.6	12.4	1.8	18.3	17.1	2.5
TRANSIENT CEREBRAL ISCHEMIA.....	358	2.0	1.7	1.4	5.6	3.9	1.4	7.3	6.2	1.4
STROKE.....	842	24.1	20.8	2.0	30.4	27.1	2.0	34.1	31.6	1.9
HIP FRACTURE.....	779	4.6	5.8	1.4	10.1	10.6	1.5	13.2	14.1	1.7
SEPSIS.....	307	25.4	26.0	2.6	32.9	33.5	4.1	36.2	39.5	3.8
PROCEDURES:										
ANGIOPLASTY.....	212	2.4	4.1	1.8	2.4	5.2	2.2	2.4	6.4	3.1
CORONARY ARTERY BYPASS GRAFT.....	213	4.7	4.7	2.1	5.2	6.6	2.5	6.1	7.8	3.2
INITIAL PACEMAKER INSERTION.....	132	0.8	2.7	1.9	2.3	5.3	2.8	3.8	7.7	3.4
CAROTID ENDOARTERECTOMY.....	92	4.3	1.5	2.4	8.7	3.0	3.3	8.7	4.5	3.1
HIP REPLACEMENT/RECONSTRUCTION.....	496	2.0	3.0	1.1	5.4	5.8	1.4	6.5	8.0	2.2
OPEN REDUCTION OF HIP FRACTURE.....	390	4.9	5.3	1.3	9.7	10.1	1.6	14.4	13.5	2.1
PROSTATECTOMY.....	985	0.7	0.9	0.4	1.6	2.2	0.7	3.0	3.6	1.1
CHOLECYSTECTOMY.....	730	3.6	2.9	0.8	5.9	5.2	1.2	7.1	6.8	1.3
HYSTERECTOMY.....	213	0.9	0.6	0.7	0.9	1.3	0.8	1.4	1.9	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 181,243						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.94	28.12	0.13	0.92	0.00		4.08	4.48	0.05	0.91	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.77	0.94	0.02	0.81	0.02						
CONGESTIVE HEART FAILURE.....	1.15	1.63	0.03	0.71	0.01						
PNEUMONIA/INFLUENZA.....	1.58	1.36	0.03	1.15	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.46	0.57	0.02	0.82	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.28	0.42	0.01	0.68	0.03						
STROKE.....	0.68	0.89	0.02	0.77	0.02						
HIP FRACTURE.....	0.60	0.56	0.02	1.08	0.03						
SEPSIS.....	0.29	0.31	0.01	0.89	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.27	0.01	0.93	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.26	0.38	0.01	0.70	0.03						
INITIAL PACEMAKER INSERTION.....	0.11	0.19	0.01	0.60	0.03						
CAROTID ENDOARTERECTOMY.....	0.09	0.14	0.01	0.68	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.42	0.01	0.98	0.04						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.27	0.01	1.06	0.05						
PROSTATECTOMY.....	0.73	0.81	0.02	0.87	0.02						
CHOLECYSTECTOMY.....	0.53	0.49	0.02	1.09	0.04						
HYSTERECTOMY.....	0.15	0.18	0.01	0.86	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

NEW YORK
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	444,295	9.2	9.6	0.1	14.9	14.7	0.2	18.9	18.6	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	14,569	25.6	26.5	0.5	30.6	30.0	0.8	33.3	33.4	0.4
CONGESTIVE HEART FAILURE.....	24,361	14.5	15.6	0.3	24.2	24.1	0.5	31.4	31.0	0.4
PNEUMONIA/INFLUENZA.....	18,504	17.2	17.8	0.5	24.9	24.1	0.3	29.4	28.9	0.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	6,968	8.4	9.1	0.5	15.4	15.4	0.6	21.1	20.8	0.7
TRANSIENT CEREBRAL ISCHEMIA.....	7,585	1.8	2.0	0.3	4.6	4.4	0.3	7.5	7.0	0.5
STROKE.....	16,702	19.7	20.5	0.4	28.0	27.4	0.4	32.8	31.9	0.4
HIP FRACTURE.....	11,118	6.2	6.7	0.3	12.1	11.9	0.3	15.7	15.4	0.4
SEPSIS.....	5,054	27.0	29.4	1.3	39.2	37.8	0.9	45.2	44.0	0.7
PROCEDURES:										
ANGIOPLASTY.....	1,267	2.0	2.7	0.7	3.0	3.7	0.8	4.1	4.7	0.7
CORONARY ARTERY BYPASS GRAFT.....	3,465	4.9	5.4	0.8	7.0	7.8	0.8	8.4	9.4	0.7
INITIAL PACEMAKER INSERTION.....	3,134	3.8	4.0	0.4	8.2	7.5	0.7	11.5	10.6	0.7
CARDIOTOMY.....	1,132	1.9	1.4	0.5	3.3	2.6	0.7	4.7	3.8	1.1
HIP REPLACEMENT/RECONSTRUCTION.....	7,195	2.8	3.3	0.3	6.3	6.4	0.3	8.7	8.6	0.3
OPEN REDUCTION OF HIP FRACTURE.....	5,817	5.2	6.1	0.5	11.3	11.4	0.4	15.0	14.9	0.5
PROSTATECTOMY.....	14,306	0.7	1.2	0.4	2.5	2.8	0.2	4.3	4.6	0.2
CHOLECYSTECTOMY.....	6,693	2.9	3.3	0.3	5.9	6.0	0.3	7.6	7.9	0.4
HYSTERECTOMY.....	3,034	1.1	1.0	0.3	2.4	2.1	0.5	3.6	3.1	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 2,633,484						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	25.70	27.83	0.03	0.92	0.00		4.76	4.76	0.01	**	**
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.86	0.01	0.98	0.01						
CONGESTIVE HEART FAILURE.....	1.68	1.70	0.01	0.98	0.00						
PNEUMONIA/INFLUENZA.....	1.06	1.18	0.01	0.89	0.00						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.47	0.00	1.02	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.40	0.40	0.00	0.99	0.01						
STROKE.....	0.85	0.94	0.01	0.90	0.01						
HIP FRACTURE.....	0.54	0.61	0.00	0.89	0.01						
SEPSIS.....	0.31	0.35	0.00	0.89	0.01						
PROCEDURES:											
ANGIOPLASTY.....	0.11	0.22	0.00	0.47	0.01						
CORONARY ARTERY BYPASS GRAFT.....	0.26	0.33	0.00	0.77	0.01						
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.00	0.89	0.01						
CARDIOTOMY.....	0.06	0.11	0.00	0.56	0.01						
HIP REPLACEMENT/RECONSTRUCTION.....	0.34	0.42	0.00	0.80	0.01						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.30	0.00	0.94	0.01						
PROSTATECTOMY.....	0.68	0.73	0.00	0.93	0.01						
CHOLECYSTECTOMY.....	0.32	0.41	0.00	0.76	0.01						
HYSTERECTOMY.....	0.14	0.17	0.00	0.82	0.01						

** QUANTITIES COULD NOT BE ESTIMATED

NORTH CAROLINA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	166,627	9.4	9.1	0.1	14.3	13.7	0.3	17.8	17.3	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	6,426	26.5	26.4	0.6	30.5	29.7	0.7	33.3	33.1	0.7
CONGESTIVE HEART FAILURE.....	8,362	14.4	14.2	0.5	22.8	22.0	0.8	29.5	28.5	1.0
PNEUMONIA/INFLUENZA.....	7,324	16.4	15.7	0.6	22.5	21.4	0.7	26.9	25.9	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1,926	8.2	6.6	0.8	14.1	11.7	1.1	18.8	16.3	1.2
TRANSIENT CEREBRAL ISCHEMIA.....	2,126	2.0	1.9	0.4	4.2	4.1	0.7	6.7	6.6	0.6
STROKE.....	7,626	20.5	20.3	0.8	27.4	26.6	1.0	31.6	31.0	1.2
HIP FRACTURE.....	4,374	5.6	6.6	0.6	10.3	11.6	0.8	13.4	14.9	0.9
SEPSIS.....	2,054	26.8	25.9	1.0	34.3	33.5	1.1	39.7	39.4	1.4
PROCEDURES:										
ANGIOPLASTY.....	1,222	4.7	4.0	0.7	5.2	5.0	0.7	6.0	6.1	0.7
CORONARY ARTERY BYPASS GRAFT.....	1,999	4.5	5.2	0.7	6.2	7.5	0.9	7.3	8.9	1.0
INITIAL PACEMAKER INSERTION.....	1,199	4.7	3.8	1.0	7.9	6.9	1.1	10.3	9.8	1.1
CAROTID ENDARTERECTOMY.....	705	0.6	1.4	0.6	1.7	2.6	1.0	2.4	3.8	1.1
HIP REPLACEMENT/RECONSTRUCTION.....	3,038	2.9	3.5	0.4	5.7	6.4	0.6	8.2	8.6	0.5
OPEN REDUCTION OF HIP FRACTURE.....	1,970	5.8	6.1	0.6	10.5	11.2	1.1	13.7	14.5	1.3
PROSTATECTOMY.....	5,616	1.0	1.1	0.2	2.6	2.5	0.2	4.1	4.1	0.3
CHOLECYSTECTOMY.....	3,730	2.8	2.8	0.3	5.3	4.9	0.4	7.1	6.4	0.6
HYSTERECTOMY.....	1,485	0.9	0.7	0.3	1.5	1.4	0.3	2.2	2.2	0.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 911,974						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	27.45	31.03	0.06	0.88	0.00		4.65	4.61	0.02	1.01	0.00
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.07	0.93	0.01	1.16	0.01						
CONGESTIVE HEART FAILURE.....	1.63	1.95	0.01	0.83	0.01						
PNEUMONIA/INFLUENZA.....	1.17	1.28	0.01	0.92	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.38	0.58	0.01	0.65	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.33	0.47	0.01	0.70	0.01						
STROKE.....	1.12	1.06	0.01	1.06	0.01						
HIP FRACTURE.....	0.61	0.53	0.01	1.16	0.02						
SEPSIS.....	0.35	0.38	0.01	0.91	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.22	0.00	1.03	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.35	0.34	0.01	1.04	0.02						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.00	0.96	0.02						
CAROTID ENDARTERECTOMY.....	0.11	0.12	0.00	0.89	0.03						
HIP REPLACEMENT/RECONSTRUCTION.....	0.41	0.35	0.01	1.18	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.26	0.00	1.03	0.02						
PROSTATECTOMY.....	0.76	0.72	0.01	1.06	0.01						
CHOLECYSTECTOMY.....	0.51	0.47	0.01	1.06	0.02						
HYSTERECTOMY.....	0.18	0.16	0.00	1.15	0.03						

** QUANTITIES COULD NOT BE ESTIMATED

NORTH DAKOTA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	23,034	8.1	9.0	0.3	12.1	13.7	0.3	15.1	17.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	719	27.7	28.1	1.7	30.5	31.7	1.8	32.3	35.4	2.1
CONGESTIVE HEART FAILURE.....	1,102	13.2	15.7	1.3	20.4	24.2	1.9	26.8	31.2	1.9
PNEUMONIA/INFLUENZA.....	1,120	17.0	17.5	1.3	22.1	23.8	1.5	24.5	28.7	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	300	7.0	7.0	1.7	13.0	13.1	2.0	17.0	18.5	2.8
TRANSIENT CEREBRAL ISCHEMIA.....	292	1.0	1.8	1.1	2.7	4.1	1.6	6.2	6.7	1.7
STROKE.....	766	19.3	21.6	1.6	25.6	28.6	2.1	27.9	33.5	2.4
HIP FRACTURE.....	580	5.0	6.7	1.3	8.6	12.2	2.0	11.9	16.0	2.3
SEPSIS.....	237	21.5	25.7	3.6	27.4	33.5	4.1	31.2	39.7	4.8
PROCEDURES:										
ANGIOPLASTY.....	180	2.2	3.7	1.6	3.3	4.6	1.7	4.4	5.7	1.9
CORONARY ARTERY BYPASS GRAFT.....	403	4.2	5.2	1.6	6.9	7.4	1.6	7.7	8.9	1.5
INITIAL PACEMAKER INSERTION.....	137	2.2	3.7	2.3	4.4	6.9	3.7	5.8	9.9	4.7
CAROTID ENDOARTERECTOMY.....	83	4.8	1.5	3.1	4.8	3.0	3.2	4.8	4.4	3.7
HIP REPLACEMENT/RECONSTRUCTION.....	594	2.0	2.5	1.3	4.2	4.8	1.8	5.6	6.6	1.8
OPEN REDUCTION OF HIP FRACTURE.....	285	5.3	6.2	1.5	8.4	11.7	2.6	10.5	15.4	3.2
PROSTATECTOMY.....	982	0.6	0.9	0.4	1.7	2.2	0.6	2.9	3.8	0.9
CHOLECYSTECTOMY.....	411	2.4	3.1	1.0	4.6	5.7	1.6	5.4	7.5	2.1
HYSTERECTOMY.....	221	0.5	0.6	1.1	2.3	1.2	1.2	3.2	1.8	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 101,839						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.11	28.00	0.17	1.15	0.01		4.45	4.76	0.07	0.93	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.02	0.95	0.03	1.00	0.03						
CONGESTIVE HEART FAILURE.....	1.90	1.62	0.04	1.16	0.03						
PNEUMONIA/INFLUENZA.....	1.64	1.41	0.04	1.16	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.57	0.48	0.02	1.17	0.06						
TRANSIENT CEREBRAL ISCHEMIA.....	0.44	0.40	0.02	1.10	0.06						
STROKE.....	0.97	0.90	0.03	1.10	0.04						
HIP FRACTURE.....	0.67	0.64	0.02	1.03	0.04						
SEPSIS.....	0.35	0.30	0.02	1.24	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.22	0.23	0.02	0.96	0.08						
CORONARY ARTERY BYPASS GRAFT.....	0.42	0.37	0.02	1.14	0.07						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.01	0.86	0.08						
CAROTID ENDOARTERECTOMY.....	0.09	0.12	0.01	0.76	0.09						
HIP REPLACEMENT/RECONSTRUCTION.....	0.59	0.48	0.02	1.23	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.30	0.02	1.10	0.07						
PROSTATECTOMY.....	1.11	0.86	0.03	1.30	0.05						
CHOLECYSTECTOMY.....	0.50	0.47	0.02	1.12	0.06						
HYSTERECTOMY.....	0.23	0.17	0.01	1.16	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

OHIO
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	303,046	8.7	8.9	0.1	13.4	13.5	0.2	16.9	17.2	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	9,024	27.2	27.7	0.6	31.1	30.9	0.9	33.7	34.3	0.7
CONGESTIVE HEART FAILURE.....	17,075	15.0	15.2	0.3	24.2	23.4	0.6	30.7	30.2	0.5
PNEUMONIA/INFLUENZA.....	13,538	15.9	16.9	0.6	22.6	22.9	0.4	26.9	27.6	0.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	5,748	7.9	8.3	0.7	13.6	14.3	0.7	18.1	19.4	0.8
TRANSIENT CEREBRAL ISCHEMIA.....	5,624	1.9	1.9	0.2	4.0	4.2	0.3	6.0	6.6	0.5
STROKE.....	10,554	18.1	20.4	0.6	25.0	27.0	0.5	29.0	31.4	0.6
HIP FRACTURE.....	6,675	6.8	6.9	0.3	11.3	12.2	0.6	14.8	15.8	0.7
SEPSIS.....	3,035	25.0	27.9	1.2	33.9	35.9	1.5	38.1	41.8	1.4
PROCEDURES:										
ANGIOPLASTY.....	2,031	2.7	2.9	0.6	3.5	3.9	0.9	4.3	4.9	1.0
CORONARY ARTERY BYPASS GRAFT.....	3,425	5.8	5.3	0.7	8.1	7.5	0.7	9.1	8.9	0.5
INITIAL PACEMAKER INSERTION.....	2,186	3.6	3.8	0.5	7.0	7.0	0.6	10.3	10.0	0.9
CAROTID ENDARTERECTOMY.....	1,792	1.7	1.4	0.4	3.6	2.6	0.8	4.7	3.9	0.8
HIP REPLACEMENT/RECONSTRUCTION.....	4,927	3.4	3.3	0.4	5.8	6.1	0.4	8.3	8.2	0.4
OPEN REDUCTION OF HIP FRACTURE.....	3,038	6.3	6.4	0.4	10.9	11.9	0.7	13.8	15.5	0.9
PROSTATECTOMY.....	8,721	1.0	1.0	0.1	2.5	2.4	0.2	4.3	3.9	0.3
CHOLECYSTECTOMY.....	5,592	3.0	2.9	0.2	5.0	5.1	0.3	6.4	6.7	0.5
HYSTERECTOMY.....	2,190	0.9	0.7	0.2	1.7	1.5	0.3	2.6	2.3	0.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 1,524,779						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	
ALL CAUSES.....	29.23	28.25	0.04	1.03	0.00		4.75	4.60	0.02	1.03	0.00
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.87	0.88	0.01	0.99	0.01						
CONGESTIVE HEART FAILURE.....	1.95	1.71	0.01	1.14	0.01						
PNEUMONIA/INFLUENZA.....	1.29	1.21	0.01	1.06	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.65	0.52	0.01	1.26	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.49	0.42	0.00	1.15	0.01						
STROKE.....	0.92	0.93	0.01	0.99	0.01						
HIP FRACTURE.....	0.54	0.58	0.01	0.94	0.01						
SEPSIS.....	0.30	0.34	0.00	0.91	0.01						
PROCEDURES:											
ANGIOPLASTY.....	0.23	0.24	0.00	0.97	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.34	0.00	1.05	0.01						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.00	1.05	0.02						
CAROTID ENDARTERECTOMY.....	0.16	0.12	0.00	1.28	0.03						
HIP REPLACEMENT/RECONSTRUCTION.....	0.40	0.41	0.00	0.97	0.01						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.28	0.00	0.89	0.01						
PROSTATECTOMY.....	0.70	0.74	0.01	0.95	0.01						
CHOLECYSTECTOMY.....	0.45	0.44	0.00	1.02	0.01						
HYSTERECTOMY.....	0.16	0.17	0.00	0.96	0.02						

** QUANTITIES COULD NOT BE ESTIMATED

OKLAHOMA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	93,118	9.2	8.8	0.1	13.8	13.5	0.2	17.2	17.1	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,018	29.5	27.7	1.0	33.2	31.3	1.1	36.2	34.9	0.9
CONGESTIVE HEART FAILURE.....	4,207	15.9	14.8	0.9	24.6	23.1	0.9	30.6	30.0	0.8
PNEUMONIA/INFLUENZA.....	4,747	14.8	15.3	1.0	21.4	21.2	1.0	25.4	25.7	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,536	9.4	7.3	1.2	14.5	12.8	1.1	18.7	17.6	1.1
TRANSIENT CEREBRAL ISCHEMIA.....	1,403	1.5	1.8	0.6	3.6	4.1	0.7	6.4	6.6	0.7
STROKE.....	3,400	21.2	20.3	1.2	27.9	26.7	1.1	32.1	31.2	1.1
HIP FRACTURE.....	2,394	6.7	6.2	0.7	11.6	11.2	0.9	15.5	14.7	1.3
SEPSIS.....	985	26.7	25.8	1.5	35.4	34.2	1.9	41.5	40.4	2.0
PROCEDURES:										
ANGIOPLASTY.....	727	3.2	3.1	0.7	3.9	4.0	0.7	5.0	5.2	0.8
CORONARY ARTERY BYPASS GRAFT.....	998	6.6	5.4	1.2	9.2	7.6	1.3	9.9	9.0	1.1
INITIAL PACEMAKER INSERTION.....	661	3.9	3.9	0.8	7.3	7.1	1.1	10.0	10.0	1.2
CAROTID ENDARTERECTOMY.....	280	2.5	1.6	1.1	2.9	3.1	1.1	4.3	4.5	1.4
HIP REPLACEMENT/RECONSTRUCTION.....	1,672	2.8	3.4	0.7	6.2	6.5	0.7	8.9	8.7	0.7
OPEN REDUCTION OF HIP FRACTURE.....	1,132	7.4	5.7	1.2	11.4	10.9	1.1	15.4	14.4	1.2
PROSTATECTOMY.....	2,933	0.8	1.1	0.3	2.1	2.5	0.5	4.0	4.2	0.6
CHOLECYSTECTOMY.....	2,077	3.2	2.8	0.4	5.2	5.0	0.5	6.8	6.5	0.6
HYSTERECTOMY.....	710	0.1	0.8	0.5	1.1	1.7	0.6	1.8	2.5	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDOARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 459,695						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.75	29.31	0.08	1.12	0.00		4.85	4.75	0.03	1.02	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.05	0.97	0.01	1.09	0.02						
CONGESTIVE HEART FAILURE.....	1.72	1.77	0.02	0.97	0.01						
PNEUMONIA/INFLUENZA.....	1.63	1.39	0.02	1.17	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.61	0.54	0.01	1.13	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.44	0.01	1.02	0.02						
STROKE.....	1.10	0.96	0.01	1.14	0.02						
HIP FRACTURE.....	0.72	0.63	0.01	1.16	0.02						
SEPSIS.....	0.36	0.33	0.01	1.09	0.03						
PROCEOURES:											
ANGIOPLASTY.....	0.28	0.23	0.01	1.24	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.36	0.01	1.02	0.03						
INITIAL PACEMAKER INSERTION.....	0.22	0.20	0.01	1.11	0.04						
CAROTID ENDARTERECTOMY.....	0.11	0.12	0.00	0.95	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.49	0.44	0.01	1.13	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.35	0.30	0.01	1.14	0.03						
PROSTATECTOMY.....	0.88	0.78	0.01	1.12	0.02						
CHOLECYSTECTOMY.....	0.61	0.48	0.01	1.28	0.03						
HYSTERECTOMY.....	0.19	0.17	0.01	1.13	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

OREGON
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SO	OBS	PRED	SO	OBS	PRED	SO
ALL CAUSES.....	69,949	9.3	8.4	0.2	13.9	12.9	0.3	17.1	16.4	0.2
CONDTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,348	25.0	26.6	0.9	28.6	29.8	1.1	31.4	33.3	1.0
CONGESTIVE HEART FAILURE.....	3,199	17.5	14.6	0.8	26.9	22.6	1.3	32.9	29.3	0.9
PNEUMONIA/INFLUENZA.....	3,006	14.5	14.8	0.7	20.1	20.4	0.9	24.5	24.8	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	839	12.0	7.9	1.9	18.1	13.6	1.9	23.2	18.6	2.0
TRANSIENT CEREBRAL ISCHEMIA.....	713	2.4	1.9	0.8	5.8	4.2	1.3	10.0	6.8	1.5
STROKE.....	2,695	21.6	20.7	1.2	28.9	27.3	1.2	32.6	31.8	1.1
HIP FRACTURE.....	2,118	6.1	6.4	0.6	11.4	11.5	0.7	15.2	15.0	0.9
SEPSIS.....	586	25.1	24.5	3.1	32.4	32.2	2.6	38.2	38.2	2.0
PROCEURES:										
ANGIOPLASTY.....	637	4.1	3.3	1.3	5.2	4.3	1.3	6.0	5.4	1.1
CORONARY ARTERY BYPASS GRAFT.....	1,101	5.6	5.3	0.7	7.0	7.5	0.9	7.5	9.1	1.0
INITIAL PACEMAKER INSERTION.....	386	2.8	3.1	1.0	4.7	5.8	1.5	8.3	8.5	1.4
CAROTID ENDARTERECTOMY.....	604	1.2	1.4	0.8	2.2	2.7	1.2	2.8	3.9	1.7
HIP REPLACEMENT/RECONSTRUCTION.....	1,784	2.4	2.8	0.6	4.8	5.3	1.0	6.6	7.2	1.0
OPEN REDUCTION OF HIP FRACTURE.....	1,001	6.3	5.8	1.3	12.5	10.9	2.1	16.4	14.5	2.6
PROSTATECTOMY.....	3,019	0.9	0.8	0.3	1.7	1.9	0.4	3.1	3.3	0.4
CHOLECYSTECTOMY.....	1,664	2.9	2.6	0.5	4.6	4.7	0.7	5.5	6.2	0.8
HYSTERECTOMY.....	681	0.9	0.8	0.5	1.8	1.8	0.6	2.6	2.6	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 432,901						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SO,%	REL	SE		OBS,%	PRED,%	SO,%	REL	SE
ALL CAUSES.....	22.83	26.79	0.08	0.85	0.00		4.53	4.51	0.03	1.00	0.01
CONDTIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.90	0.01	0.87	0.01						
CONGESTIVE HEART FAILURE.....	1.23	1.57	0.02	0.79	0.01						
PNEUMONIA/INFLUENZA.....	0.97	1.20	0.02	0.80	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.33	0.49	0.01	0.67	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.22	0.40	0.01	0.58	0.01						
STROKE.....	0.82	0.87	0.01	1.00	0.02						
HIP FRACTURE.....	0.58	0.59	0.01	0.99	0.02						
SEPSIS.....	0.21	0.31	0.01	0.70	0.02						
PROCEURES:											
ANGIOPLASTY.....	0.22	0.26	0.01	0.83	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.38	0.01	0.89	0.02						
INITIAL PACEMAKER INSERTION.....	0.12	0.19	0.01	0.64	0.02						
CAROTID ENDARTERECTOMY.....	0.18	0.13	0.01	1.31	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.49	0.45	0.01	1.10	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.29	0.01	0.96	0.03						
PROSTATECTOMY.....	0.81	0.82	0.01	0.99	0.02						
CHOLECYSTECTOMY.....	0.45	0.45	0.01	1.01	0.02						
HYSTERECTOMY.....	0.17	0.18	0.01	0.96	0.04						

** QUANTITIES COULD NOT BE ESTIMATED

PENNSYLVANIA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	396,580	8.6	9.1	0.1	13.7	13.9	0.2	17.2	17.7	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	12,784	25.4	26.9	0.6	29.9	30.4	1.0	32.9	33.9	0.5
CONGESTIVE HEART FAILURE.....	21,656	13.9	15.4	0.3	23.3	23.9	0.6	30.4	30.8	0.4
PNEUMONIA/INFLUENZA.....	14,985	16.1	17.1	0.5	22.9	23.2	0.4	27.5	28.0	0.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	6,922	7.3	8.3	0.3	14.0	14.5	0.5	18.8	19.7	0.5
TRANSIENT CEREBRAL ISCHEMIA.....	7,859	1.5	1.9	0.2	3.8	4.2	0.3	6.5	6.7	0.3
STROKE.....	14,808	18.4	20.2	0.4	25.2	26.9	0.4	29.4	31.4	0.5
HIP FRACTURE.....	8,494	6.3	6.9	0.3	12.3	12.3	0.4	15.9	16.0	0.4
SEPSIS.....	4,767	27.1	28.2	1.2	37.0	36.3	0.8	42.3	42.5	1.1
PROCEDURES:										
ANGIOPLASTY.....	2,363	2.8	2.9	0.5	3.7	3.9	0.6	4.6	5.0	0.8
CORONARY ARTERY BYPASS GRAFT.....	4,395	6.5	5.6	1.1	8.8	8.3	0.9	10.2	10.0	0.6
INITIAL PACEMAKER INSERTION.....	2,848	3.6	4.0	0.5	7.7	7.4	0.6	10.3	10.5	0.8
CAROTID ENDARTERECTOMY.....	1,464	2.1	1.4	0.5	3.8	2.7	0.8	4.8	4.0	0.8
HIP REPLACEMENT/RECONSTRUCTION.....	5,950	2.9	3.2	0.3	6.0	6.0	0.3	8.1	8.1	0.4
OPEN REDUCTION OF HIP FRACTURE.....	4,499	6.0	6.4	0.5	12.4	11.9	0.5	16.0	15.6	0.7
PROSTATECTOMY.....	11,759	1.3	1.1	0.2	3.1	2.7	0.2	5.0	4.4	0.3
CHOLECYSTECTOMY.....	7,171	3.1	3.2	0.3	5.9	5.6	0.5	7.4	7.2	0.3
HYSTERECTOMY.....	2,813	1.1	0.8	0.3	2.0	1.7	0.4	2.8	2.6	0.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 2,032,102									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.06	28.59	0.04	1.05	0.00	4.80	4.58	0.01	1.05	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.98	0.92	0.01	1.06	0.01					
CONGESTIVE HEART FAILURE.....	1.99	1.74	0.01	1.14	0.01					
PNEUMONIA/INFLUENZA.....	1.12	1.20	0.01	0.93	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.62	0.51	0.00	1.20	0.01					
TRANSIENT CEREBRAL ISCHEMIA.....	0.55	0.43	0.00	1.26	0.01					
STROKE.....	1.01	0.95	0.01	1.06	0.01					
HIP FRACTURE.....	0.55	0.59	0.00	0.94	0.01					
SEPSIS.....	0.39	0.34	0.00	1.15	0.01					
PROCEDURES:										
ANGIOPLASTY.....	0.21	0.24	0.00	0.88	0.01					
CORONARY ARTERY BYPASS GRAFT.....	0.37	0.36	0.00	1.02	0.01					
INITIAL PACEMAKER INSERTION.....	0.20	0.20	0.00	1.01	0.02					
CAROTID ENDARTERECTOMY.....	0.11	0.13	0.00	0.80	0.02					
HIP REPLACEMENT/RECONSTRUCTION.....	0.36	0.41	0.00	0.87	0.01					
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.29	0.00	**	**					
PROSTATECTOMY.....	0.74	0.76	0.01	0.97	0.01					
CHOLECYSTECTOMY.....	0.45	0.46	0.00	0.97	0.01					
HYSTERECTOMY.....	0.16	0.17	0.00	0.94	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

RHOODE ISLAND
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	29,449	9.0	9.9	0.2	14.1	14.9	0.3	17.8	18.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1,275	24.5	27.3	1.8	29.3	30.9	2.3	31.8	34.6	2.0
CONGESTIVE HEART FAILURE.....	1,705	13.3	16.4	1.3	22.1	25.1	1.4	29.0	32.2	1.5
PNEUMONIA/INFLUENZA.....	1,102	15.3	17.4	1.9	23.0	23.6	1.4	27.4	28.5	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	434	6.9	9.3	2.0	11.3	15.3	2.6	15.4	20.5	3.0
TRANSIENT CEREBRAL ISCHEMIA.....	499	0.8	1.9	0.8	2.6	4.3	1.2	5.8	6.8	1.2
STROKE.....	1,111	17.9	20.7	1.8	25.8	27.6	1.8	30.4	32.1	1.6
HIP FRACTURE.....	770	5.2	7.2	1.3	10.5	12.8	1.4	14.4	16.5	1.5
SEPSIS.....	456	23.9	27.1	4.6	32.5	35.1	4.8	37.7	41.0	4.6
PROCEDURES:										
ANGIOPLASTY.....	130	1.5	2.5	1.5	3.1	3.5	2.1	3.1	4.5	2.1
CORONARY ARTERY BYPASS GRAFT.....	222	3.2	5.7	2.5	5.9	8.5	3.3	7.2	10.2	3.9
INITIAL PACEMAKER INSERTION.....	189	5.8	4.1	2.0	8.5	7.4	2.1	10.6	10.4	2.3
CAROTID ENDARTERECTOMY.....	85	1.2	1.3	1.3	1.2	2.3	2.9	4.7	3.4	2.7
HIP REPLACEMENT/RECONSTRUCTION.....	401	2.2	4.2	1.5	4.7	7.7	1.9	7.0	10.1	1.9
OPEN REDUCTION OF HIP FRACTURE.....	432	3.9	6.4	1.6	9.0	11.8	1.9	13.4	15.5	1.9
PROSTATECTOMY.....	938	0.7	1.2	0.5	2.3	2.7	0.8	3.5	4.3	1.0
CHOLECYSTECTOMY.....	568	3.5	3.4	1.2	6.5	6.0	1.6	7.7	7.8	1.4
HYSTERECTOMY.....	254	0.4	0.8	0.8	2.8	1.7	1.1	3.1	2.5	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 165,040						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	26.81	28.59	0.13	0.94	0.00		4.63	4.69	0.05	0.99	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.18	0.94	0.02	1.26	0.03						
CONGESTIVE HEART FAILURE.....	1.89	1.74	0.03	1.09	0.02						
PNEUMONIA/INFLUENZA.....	0.96	1.27	0.03	0.75	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.53	0.02	0.89	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.39	0.43	0.02	0.91	0.03						
STROKE.....	0.88	0.93	0.02	0.94	0.02						
HIP FRACTURE.....	0.58	0.63	0.02	0.92	0.03						
SEPSIS.....	0.40	0.33	0.01	1.25	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.13	0.23	0.01	0.56	0.03						
CORONARY ARTERY BYPASS GRAFT.....	0.24	0.35	0.01	0.70	0.03						
INITIAL PACEMAKER INSERTION.....	0.16	0.20	0.01	0.80	0.05						
CAROTID ENDARTERECTOMY.....	0.08	0.12	0.01	0.64	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.31	0.43	0.02	0.71	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.33	0.31	0.01	1.05	0.05						
PROSTATECTOMY.....	0.70	0.73	0.02	0.96	0.03						
CHOLECYSTECTOMY.....	0.42	0.46	0.02	0.90	0.03						
HYSTERECTOMY.....	0.17	0.18	0.01	1.00	0.06						

** QUANTITIES COULD NOT BE ESTIMATED

SOUTH CAROLINA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SO	OBS	PREO	SO	OBS	PREO	SO
ALL CAUSES.....	77,841	9.4	8.5	0.2	14.2	12.9	0.3	17.8	16.5	0.2
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,629	27.0	25.7	1.4	31.6	28.9	1.5	34.3	32.4	1.6
CONGESTIVE HEART FAILURE.....	4,171	13.9	13.6	0.6	22.7	21.2	1.0	29.4	27.7	1.2
PNEUMONIA/INFLUENZA.....	3,120	16.5	15.0	0.8	22.9	20.5	1.1	27.5	25.0	1.2
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	1,043	8.9	6.4	1.8	13.6	11.5	1.7	17.7	16.1	2.1
TRANSIENT CEREBRAL ISCHEMIA.....	1,030	1.8	1.7	0.4	3.7	3.9	0.6	6.2	6.2	0.7
STROKE.....	3,285	20.9	19.3	0.9	28.0	25.4	1.2	32.0	29.7	1.3
HIP FRACTURE.....	1,791	6.4	5.9	0.7	11.3	10.6	1.0	15.0	13.8	1.5
SEPSIS.....	851	28.8	26.4	2.2	38.7	34.0	2.9	42.4	40.1	2.2
PROCEQURES:										
ANGIOPLASTY.....	524	4.0	3.4	1.0	4.8	4.4	1.1	6.3	5.5	1.2
CORONARY ARTERY BYPASS GRAFT.....	812	5.7	5.4	1.2	7.9	7.7	1.0	9.5	9.1	1.1
INITIAL PACEMAKER INSERTION.....	585	2.9	3.2	0.8	6.8	6.1	1.2	9.6	8.8	1.8
CAROTID ENOARTERECTOMY.....	278	3.6	1.3	1.8	4.3	2.4	1.6	4.3	3.6	2.0
HIP REPLACEMENT/RECONSTRUCTION.....	1,176	3.3	3.3	0.6	6.1	6.2	0.8	7.6	8.4	1.2
OPEN REDUCTION OF HIP FRACTURE.....	861	5.9	5.4	0.8	10.8	10.1	1.2	15.2	13.3	1.7
PROSTATECTOMY.....	2,535	1.8	1.0	0.5	3.4	2.4	0.6	5.1	3.9	0.6
CHOLECYSTECTOMY.....	1,554	2.9	2.4	0.6	5.0	4.3	0.9	6.3	5.6	1.0
HYSTERECTOMY.....	654	0.6	0.7	0.3	1.4	1.4	0.5	2.3	2.1	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 452,836						MORTALITY				
	ADMISSION										
	OBS,%	PREO,%	SO,%	REL	SE		OBS,%	PREO,%	SO,%	REL	SE
ALL CAUSES.....	27.97	31.15	0.08	0.90	0.00		4.61	4.56	0.03	1.01	0.01
CONOITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.91	0.89	0.01	1.02	0.02						
CONGESTIVE HEART FAILURE.....	1.74	1.97	0.02	0.89	0.01						
PNEUMONIA/INFLUENZA.....	1.08	1.23	0.02	0.88	0.01						
CHRONIC OBSTRUCTIVE PULMONARY OISEASE.....	0.43	0.59	0.01	0.76	0.01						
TRANSIENT CEREBRAL ISCHEMIA.....	0.33	0.48	0.01	0.70	0.01						
STROKE.....	1.06	1.07	0.01	0.99	0.01						
HIP FRACTURE.....	0.51	0.48	0.01	1.06	0.02						
SEPSIS.....	0.33	0.40	0.01	0.82	0.02						
PROCEQURES:											
ANGIOPLASTY.....	0.24	0.22	0.01	1.08	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.33	0.01	1.04	0.03						
INITIAL PACEMAKER INSERTION.....	0.21	0.18	0.01	1.15	0.04						
CAROTID ENOARTERECTOMY.....	0.09	0.12	0.01	0.80	0.04						
HIP REPLACEMENT/RECONSTRUCTION.....	0.35	0.32	0.01	1.09	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.25	0.24	0.01	1.00	0.03						
PROSTATECTOMY.....	0.71	0.71	0.01	1.01	0.02						
CHOLECYSTECTOMY.....	0.46	0.46	0.01	1.01	0.02						
HYSTERECTOMY.....	0.18	0.16	0.01	1.16	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

SOUTH DAKOTA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	22,880	8.1	8.8	0.2	12.3	13.4	0.3	15.3	17.2	0.3
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	935	30.4	29.3	2.0	33.9	32.9	1.7	35.6	36.6	1.8
CONGESTIVE HEART FAILURE.....	971	15.8	15.5	1.2	22.8	24.1	1.8	28.5	31.2	1.8
PNEUMONIA/INFLUENZA.....	1,364	12.2	16.5	1.3	18.5	22.8	1.4	22.1	27.6	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	244	5.7	6.8	1.9	9.0	12.2	3.2	13.9	17.0	3.5
TRANSIENT CEREBRAL ISCHEMIA.....	331	1.5	2.0	1.0	3.6	4.6	1.5	7.6	7.5	1.4
STROKE.....	691	21.4	21.4	1.7	26.9	28.1	1.8	30.0	32.9	2.1
HIP FRACTURE.....	540	6.3	6.6	1.1	11.7	12.1	1.6	14.8	15.8	2.2
SEPSIS.....	167	24.0	28.8	4.6	28.1	37.5	5.0	34.1	44.3	5.2
PROCEDURES:										
ANGIOPLASTY.....	224	4.0	4.2	1.4	4.5	5.4	1.7	5.8	6.7	2.0
CORONARY ARTERY BYPASS GRAFT.....	302	2.6	5.7	1.6	3.0	8.0	2.1	3.6	9.5	2.3
INITIAL PACEMAKER INSERTION.....	147	6.8	4.5	2.8	10.9	8.3	3.5	14.3	11.7	4.2
CAROTID ENDOARTERECTOMY.....	73	1.4	1.5	2.3	5.5	2.8	3.5	6.8	4.2	4.4
HIP REPLACEMENT/RECONSTRUCTION.....	541	3.1	2.5	0.9	5.0	4.8	1.2	5.9	6.5	1.5
OPEN REDUCTION OF HIP FRACTURE.....	216	4.6	6.4	2.3	11.6	12.1	2.5	14.8	15.9	2.7
PROSTATECTOMY.....	852	1.4	1.1	0.5	2.6	2.7	0.8	4.0	4.6	1.3
CHOLECYSTECTOMY.....	447	2.0	2.8	1.0	4.5	5.1	1.2	6.0	6.7	1.4
HYSTERECTOMY.....	238	0.8	0.8	0.7	1.3	1.8	1.1	2.9	2.8	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 114,224									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	30.43	29.22	0.16	1.04	0.01	4.64	4.88	0.06	0.95	0.01
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	1.24	1.00	0.03	1.23	0.04					
CONGESTIVE HEART FAILURE.....	1.57	1.72	0.04	0.91	0.02					
PNEUMONIA/INFLUENZA.....	1.89	1.54	0.04	1.23	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.52	0.02	0.85	0.04					
TRANSIENT CEREBRAL ISCHEMIA.....	0.41	0.42	0.02	0.97	0.05					
STROKE.....	0.89	0.94	0.03	0.98	0.03					
HIP FRACTURE.....	0.62	0.67	0.02	0.90	0.04					
SEPSIS.....	0.26	0.31	0.02	0.87	0.05					
PROCEDURES:										
ANGIOPLASTY.....	0.29	0.22	0.01	1.28	0.10					
CORONARY ARTERY BYPASS GRAFT.....	0.41	0.36	0.02	1.07	0.06					
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	0.88	0.07					
CAROTID ENDOARTERECTOMY.....	0.10	0.11	0.01	0.92	0.11					
HIP REPLACEMENT/RECONSTRUCTION.....	0.54	0.48	0.02	1.12	0.05					
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.31	0.02	0.86	0.05					
PROSTATECTOMY.....	0.98	0.84	0.03	1.16	0.04					
CHOLECYSTECTOMY.....	0.51	0.49	0.02	1.04	0.05					
HYSTERECTOMY.....	0.25	0.18	0.01	1.30	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

TENNESSEE
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	164,784	8.5	8.6	0.1	13.1	13.1	0.2	16.5	16.8	0.1
CDNOITIDNS:										
ACUTE MYDCARIOIAL INFARCTION.....	4,844	25.7	27.2	1.1	30.1	30.4	1.2	32.8	33.9	1.0
CONGESTIVE HEART FAILURE.....	7,836	14.8	14.5	0.6	23.4	22.7	0.8	29.4	29.4	0.5
PNEUMDNIA/INFLUENZA.....	7,800	15.1	15.9	0.6	21.9	21.8	0.5	25.9	26.4	0.7
CHRONIC DBSTRUCTIVE PULMDNARY OISEAS.....	3,061	6.1	6.3	0.7	10.8	11.6	0.8	14.8	16.3	1.1
TRANSIENT CEREBRAL ISCHEMIA.....	2,927	1.9	1.8	0.3	3.9	4.0	0.4	6.3	6.4	0.5
STROKE.....	5,857	19.8	20.3	0.7	26.4	26.8	0.7	30.3	31.3	1.0
HIP FRACTURE.....	3,685	6.5	6.4	0.6	10.9	11.4	0.9	14.2	14.8	0.9
SEPSIS.....	1,813	27.0	27.4	1.4	37.2	35.9	1.5	43.0	42.1	1.5
PRDCEDURES:										
ANGIDPLASTY.....	975	3.6	4.1	0.7	4.5	5.1	0.8	5.2	6.2	0.9
CORDNARY ARTERY BYPASS GRAFT.....	2,285	4.3	5.7	0.7	7.0	7.9	0.8	7.9	9.3	0.7
INITIAL PACEMAKER INSERTIDN.....	972	3.3	3.8	1.0	7.5	7.0	1.5	10.1	10.0	1.0
CAROTID ENOARTERECTOMY.....	719	1.3	1.4	0.5	2.8	2.7	0.6	3.9	4.0	0.8
HIP REPLACEMENT/RECONSTRUCTIDN.....	2,352	4.1	3.7	0.5	7.1	6.9	0.6	9.4	9.1	0.8
OPEN REDUCTION DF HIP FRACTURE.....	1,756	6.2	5.8	1.2	10.3	10.8	0.9	13.7	14.2	1.1
PROSTATECTDMY.....	4,657	0.9	1.0	0.2	2.9	2.4	0.3	4.6	3.9	0.4
CHOLECYSTECTDMY.....	3,079	2.8	2.7	0.4	4.9	4.8	0.4	6.3	6.3	0.5
HYSTERECTOMY.....	1,247	0.9	0.6	0.3	1.4	1.3	0.5	2.3	2.0	0.6

* THE NUMBER DF CASES OR OEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATIDN BASED RATES FDR MORTALITY AND HDSPTAL USAGE

CATEGORY	NUMBER ELIGIBLE: 713,817						MORTALITY				
	ADMISSION										
	DBS,%	PRED,%	SD,%	REL	SE		DBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	34.29	30.79	0.07	1.11	0.00		4.80	4.71	0.03	1.02	0.01
CONOITIDNS:											
ACUTE MYDCARDIAL INFARCTIDN.....	0.98	0.96	0.01	1.02	0.01						
CDNGESTIVE HEART FAILURE.....	2.01	1.89	0.02	1.06	0.01						
PNEUMDNIA/INFLUENZA.....	1.67	1.39	0.01	1.20	0.01						
CHRDNIC DBSTRUCTIVE PULMDNARY OISEASE.....	0.80	0.60	0.01	1.31	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.56	0.46	0.01	1.21	0.02						
STRDKE.....	1.14	1.02	0.01	1.12	0.01						
HIP FRACTURE.....	0.67	0.57	0.01	1.16	0.02						
SEPSIS.....	0.42	0.37	0.01	1.14	0.02						
PRDCCEURES:											
ANGIOPLASTY.....	0.19	0.23	0.01	0.86	0.02						
CORDNARY ARTERY BYPASS GRAFT.....	0.40	0.35	0.01	1.17	0.02						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.00	0.97	0.03						
CARDTID ENARTERECTDMY.....	0.13	0.13	0.00	1.02	0.04						
HIP REPLACEMENT/RECDNSTRUCTION.....	0.41	0.38	0.01	1.07	0.02						
DPEN REDUCTION DF HIP FRACTURE.....	0.32	0.28	0.01	1.12	0.03						
PRDSTATECTDMY.....	0.79	0.73	0.01	1.07	0.01						
CHDLECYSTECTDMY.....	0.53	0.49	0.01	1.08	0.02						
HYSTERECTDMY.....	0.19	0.17	0.00	1.17	0.04						

** QUANTITIES CDULO NOT BE ESTIMATED

TEXAS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PREO	SD	OBS	PREO	SD	OBS	PREO	SD
ALL CAUSES.....	359,603	9.4	8.9	0.2	14.2	13.8	0.3	17.6	17.6	0.1
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	10,870	28.5	25.3	0.5	32.1	28.6	0.6	34.9	32.0	0.6
CONGESTIVE HEART FAILURE.....	17,919	15.2	14.0	0.5	23.7	22.0	0.6	29.6	28.7	0.3
PNEUMONIA/INFLUENZA.....	16,968	15.6	15.5	0.6	21.8	21.2	0.4	26.2	25.8	0.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	5,175	7.5	7.8	0.5	13.5	13.5	0.7	18.6	18.5	0.5
TRANSIENT CEREBRAL ISCHEMIA.....	5,052	1.8	1.8	0.2	3.7	4.0	0.4	6.4	6.5	0.4
STROKE.....	12,897	21.1	19.5	0.5	28.1	26.0	0.5	32.2	30.5	0.5
HIP FRACTURE.....	9,800	6.1	5.8	0.4	10.7	10.6	0.3	14.0	14.0	0.4
SEPSIS.....	4,887	28.3	26.9	1.0	37.8	35.1	1.5	42.9	41.4	1.1
PROCEURES:										
ANGIOPLASTY.....	3,227	4.1	3.1	0.5	5.2	4.1	0.5	6.5	5.2	0.6
CORONARY ARTERY BYPASS GRAFT.....	4,802	7.5	5.4	0.7	10.0	7.6	0.9	11.1	9.1	0.6
INITIAL PACEMAKER INSERTION.....	2,729	3.7	3.4	0.4	6.4	6.5	0.5	9.1	9.3	0.6
CAROTIO ENDARTERECTOMY.....	1,972	1.5	1.7	0.4	2.7	3.3	0.6	3.9	4.9	0.9
HIP REPLACEMENT/RECONSTRUCTION.....	6,481	3.6	3.4	0.3	6.3	6.5	0.3	8.4	8.8	0.5
OPEN REDUCTION OF HIP FRACTURE.....	5,104	5.5	5.4	0.5	10.3	10.2	0.4	13.4	13.5	0.5
PROSTATECTOMY.....	12,742	1.0	1.2	0.1	2.3	2.8	0.2	4.0	4.6	0.3
CHOLECYSTECTOMY.....	8,345	3.1	3.1	0.2	5.3	5.5	0.3	6.9	7.2	0.5
HYSTERECTOMY.....	2,940	0.8	0.9	0.3	1.3	1.9	0.3	1.9	2.7	0.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARO DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 1,872,731									
	ADMISSION					MORTALITY				
	OBS,%	PREO,%	SD,%	REL	SE	OBS,%	PREO,%	SD,%	REL	SE
ALL CAUSES.....	29.20	29.17	0.04	1.00	0.00	4.68	4.66	0.02	1.00	0.00
CONDICTIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.85	0.93	0.01	0.92	0.01					
CONGESTIVE HEART FAILURE.....	1.72	1.78	0.01	0.97	0.00					
PNEUMONIA/INFLUENZA.....	1.36	1.28	0.01	1.07	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.50	0.53	0.00	0.94	0.01					
TRANSIENT CEREBRAL ISCHEMIA.....	0.37	0.44	0.00	0.85	0.01					
STROKE.....	0.96	0.98	0.01	0.98	0.01					
HIP FRACTURE.....	0.67	0.58	0.01	1.16	0.01					
SEPSIS.....	0.43	0.36	0.00	1.19	0.01					
PROCEURES:										
ANGIOPLASTY.....	0.27	0.25	0.00	1.07	0.02					
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.37	0.00	0.98	0.01					
INITIAL PACEMAKER INSERTION.....	0.21	0.20	0.00	1.06	0.02					
CAROTIO ENDARTERECTOMY.....	0.15	0.13	0.00	1.13	0.02					
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.41	0.00	1.06	0.01					
OPEN REDUCTION OF HIP FRACTURE.....	0.35	0.29	0.00	1.20	0.02					
PROSTATECTOMY.....	0.85	0.78	0.01	1.08	0.01					
CHOLECYSTECTOMY.....	0.55	0.46	0.00	1.20	0.01					
HYSTERECTOMY.....	0.18	0.17	0.00	1.08	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

UTAH
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	26,713	8.4	7.1	0.2	12.4	10.8	0.4	15.2	13.8	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	876	22.4	23.6	1.8	26.7	26.6	2.0	28.4	29.8	2.1
CONGESTIVE HEART FAILURE.....	950	17.6	13.4	1.6	24.9	21.2	1.7	31.8	27.7	1.9
PNEUMONIA/INFLUENZA.....	1,149	14.0	14.3	1.1	19.4	19.7	1.3	23.8	24.0	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	259	7.7	7.1	1.6	13.5	12.5	2.5	22.0	17.2	3.4
TRANSIENT CEREBRAL ISCHEMIA.....	208	2.9	1.6	1.6	5.3	3.5	2.6	8.2	5.5	2.7
STROKE.....	836	22.1	18.6	2.1	29.8	24.8	2.4	33.9	29.1	2.4
HIP FRACTURE.....	766	7.4	5.3	1.1	14.5	9.6	1.7	18.0	12.7	1.9
SEPSIS.....	251	23.5	26.0	4.1	33.5	33.1	3.0	36.7	39.2	3.7
PROCEDURES:										
ANGIOPLASTY.....	292	2.7	2.9	1.1	3.4	3.8	1.2	4.5	4.8	1.4
CORONARY ARTERY BYPASS GRAFT.....	510	4.3	4.9	1.3	5.7	7.0	1.9	6.7	8.3	2.0
INITIAL PACEMAKER INSERTION.....	238	3.8	2.4	1.7	6.7	4.8	2.5	9.2	7.0	3.5
CAROTID ENDARTERECTOMY.....	97	3.1	1.4	1.8	3.1	2.6	3.5	8.2	3.9	3.5
HIP REPLACEMENT/RECONSTRUCTION.....	857	2.6	1.9	0.7	5.7	3.7	1.1	7.0	5.1	1.3
OPEN REDUCTION OF HIP FRACTURE.....	393	6.9	4.8	1.4	13.7	9.1	2.6	17.3	12.0	2.9
PROSTATECTOMY.....	1,158	1.2	0.7	0.4	2.3	1.8	0.6	3.5	3.0	0.7
CHOLECYSTECTOMY.....	848	3.8	2.3	0.8	5.8	4.1	1.0	7.3	5.4	1.2
HYSTERECTOMY.....	299	0.7	0.6	0.5	0.7	1.4	1.0	1.3	2.1	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 160,454						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	22.26	26.49	0.13	0.84	0.00		4.12	4.40	0.05	0.94	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.78	0.88	0.02	0.88	0.02						
CONGESTIVE HEART FAILURE.....	0.94	1.53	0.03	0.60	0.01						
PNEUMONIA/INFLUENZA.....	0.98	1.18	0.03	0.82	0.02						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.28	0.48	0.02	0.57	0.02						
TRANSIENT CEREBRAL ISCHEMIA.....	0.18	0.39	0.02	0.46	0.02						
STROKE.....	0.68	0.85	0.02	0.79	0.02						
HIP FRACTURE.....	0.59	0.57	0.02	1.05	0.04						
SEPSIS.....	0.23	0.30	0.01	0.72	0.03						
PROCEDURES:											
ANGIOPLASTY.....	0.26	0.26	0.01	**	**						
CORONARY ARTERY BYPASS GRAFT.....	0.39	0.38	0.01	1.03	0.04						
INITIAL PACEMAKER INSERTION.....	0.20	0.19	0.01	0.98	0.06						
CAROTID ENDARTERECTOMY.....	0.08	0.13	0.01	0.59	0.04						
HIP REPLACEMENT/RECONSTRUCTION.....	0.60	0.43	0.02	1.40	0.05						
OPEN REDUCTION OF HIP FRACTURE.....	0.31	0.27	0.01	1.12	0.06						
PROSTATECTOMY.....	0.83	0.82	0.02	1.00	0.03						
CHOLECYSTECTOMY.....	0.61	0.45	0.02	1.37	0.05						
HYSTERECTOMY.....	0.19	0.18	0.01	1.04	0.07						

** QUANTITIES COULD NOT BE ESTIMATED

VERMONT
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	12,488	9.4	8.8	0.4	13.8	13.4	0.4	17.2	17.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	445	24.3	26.9	3.3	29.4	30.1	3.3	31.9	33.4	3.2
CONGESTIVE HEART FAILURE.....	611	15.2	14.5	1.7	23.4	22.5	1.9	28.5	29.3	2.3
PNEUMONIA/INFLUENZA.....	688	14.4	15.6	1.5	19.8	21.3	2.1	23.4	25.8	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	171	11.1	7.1	4.0	16.4	12.3	5.2	19.9	16.9	4.9
TRANSIENT CEREBRAL ISCHEMIA.....	147	4.1	2.1	2.0	6.1	4.8	2.2	8.2	7.8	2.2
STROKE.....	412	22.8	21.0	4.1	30.3	27.7	4.8	34.5	32.2	3.9
HIP FRACTURE.....	393	6.9	6.6	1.3	12.2	11.8	1.7	16.3	15.3	2.4
SEPSIS.....	111	18.0	23.7	8.5	26.1	30.6	6.4	27.0	36.3	7.0
PROCEDURES:										
ANGIOPLASTY.....	63	1.6	3.2	3.4	1.6	4.2	3.8	1.6	5.4	4.4
CORONARY ARTERY BYPASS GRAFT.....	164	3.7	5.2	2.1	7.9	7.5	2.2	8.5	8.9	2.2
INITIAL PACEMAKER INSERTION.....	105	1.0	3.3	2.4	6.7	5.8	2.8	9.5	8.2	3.0
CAROTID ENDARTERECTOMY.....	23	4.3	1.2	*	4.3	2.1	*	4.3	3.0	*
HIP REPLACEMENT/RECONSTRUCTION.....	259	3.5	3.3	1.2	5.4	6.2	1.6	8.1	8.3	1.8
OPEN REDUCTION OF HIP FRACTURE.....	161	5.0	5.6	1.9	11.8	10.4	2.9	16.8	13.7	4.7
PROSTATECTOMY.....	393	0.3	1.1	1.0	1.8	2.5	1.4	3.3	4.1	1.6
CHOLECYSTECTOMY.....	258	1.9	3.2	1.5	5.8	5.5	1.8	6.6	7.1	1.9
HYSTERECTOMY.....	100	1.0	1.0	1.0	1.0	1.8	1.5	2.0	2.7	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 77,353						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	24.51	28.47	0.19	0.86	0.01		4.83	4.74	0.08	1.02	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.87	0.93	0.03	0.94	0.04						
CONGESTIVE HEART FAILURE.....	1.48	1.67	0.05	0.88	0.02						
PNEUMONIA/INFLUENZA.....	1.26	1.36	0.04	0.93	0.03						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.43	0.52	0.03	0.77	0.04						
TRANSIENT CEREBRAL ISCHEMIA.....	0.26	0.42	0.02	0.61	0.04						
STROKE.....	0.73	0.90	0.03	0.81	0.03						
HIP FRACTURE.....	0.60	0.63	0.03	0.95	0.05						
SEPSIS.....	0.23	0.31	0.02	0.66	0.05						
PROCEDURES:											
ANGIOPLASTY.....	0.18	0.22	0.02	0.80	0.07						
CORONARY ARTERY BYPASS GRAFT.....	0.30	0.35	0.02	0.81	0.06						
INITIAL PACEMAKER INSERTION.....	0.18	0.19	0.02	0.93	0.09						
CAROTID ENDARTERECTOMY.....	0.05	0.12	0.01	0.47	0.06						
HIP REPLACEMENT/RECONSTRUCTION.....	0.43	0.45	0.02	0.93	0.06						
OPEN REDUCTION OF HIP FRACTURE.....	0.26	0.30	0.02	0.90	0.07						
PROSTATECTOMY.....	0.68	0.76	0.03	0.91	0.04						
CHOLECYSTECTOMY.....	0.40	0.47	0.02	0.84	0.05						
HYSTERECTOMY.....	0.16	0.17	0.01	1.03	0.11						

** QUANTITIES COULD NOT BE ESTIMATED

VIRGINIA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	143,665	8.5	8.6	0.1	13.2	13.2	0.2	16.6	16.8	0.1
CONOITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	4,330	25.5	26.7	0.8	29.4	30.1	1.0	31.9	33.5	0.9
CONGESTIVE HEART FAILURE.....	6,752	14.0	14.7	0.8	22.3	22.8	0.9	28.9	29.5	0.9
PNEUMONIA/INFLUENZA.....	5,952	15.4	15.8	0.6	21.3	21.6	0.7	25.4	26.1	0.9
CHRONIC OBSTRUCTIVE PULMONARY OISEAS.....	2,084	6.7	6.4	0.6	12.4	11.6	1.1	16.7	16.2	1.0
TRANSIENT CEREBRAL ISCHEMIA.....	2,291	1.9	1.8	0.3	3.7	3.9	0.5	5.2	6.3	0.7
STROKE.....	5,446	19.1	20.2	0.8	26.5	26.6	0.7	30.4	31.0	0.7
HIP FRACTURE.....	3,374	5.6	6.2	0.8	10.5	11.2	0.9	14.0	14.6	0.9
SEPSIS.....	1,531	26.2	27.3	1.4	36.8	35.3	1.5	41.8	41.4	1.4
PROCEOURES:										
ANGIOPLASTY.....	747	2.1	3.3	0.9	3.5	4.5	0.9	4.8	5.7	1.0
CORONARY ARTERY BYPASS GRAFT.....	1,327	4.7	5.7	1.3	7.2	8.4	1.0	8.7	10.1	0.9
INITIAL PACEMAKER INSERTION.....	774	3.1	3.8	0.9	7.9	6.9	1.2	10.9	9.7	1.6
CAROTID ENOARTERECTOMY.....	546	1.5	1.4	0.6	2.9	2.6	1.3	3.1	3.9	1.4
HIP REPLACEMENT/RECONSTRUCTION.....	2,474	2.5	3.1	0.5	4.7	5.8	0.7	7.0	7.8	0.7
OPEN REDUCTION OF HIP FRACTURE.....	1,572	6.2	5.8	0.9	11.5	10.8	1.7	14.9	14.2	1.6
PROSTATECTOMY.....	3,574	1.1	1.0	0.2	2.5	2.3	0.3	3.8	3.8	0.3
CHOLECYSTECTOMY.....	2,526	3.0	2.8	0.4	4.7	4.9	0.4	6.5	6.3	0.5
HYSTERECTOMY.....	956	1.2	0.9	0.4	1.8	1.7	0.4	2.4	2.5	0.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 740,870					MORTALITY				
	ADMISSION									
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	31.13	29.90	0.06	1.04	0.00	4.62	4.63	0.02	1.00	0.00
CONOITIONS:										
ACUTE MYOCAROIAL INFARCTION.....	0.93	0.89	0.01	1.03	0.01					
CONGESTIVE HEART FAILURE.....	1.76	1.85	0.02	0.96	0.01					
PNEUMONIA/INFLUENZA.....	1.26	1.23	0.01	1.03	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.55	0.55	0.01	1.01	0.02					
TRANSIENT CEREBRAL ISCHEMIA.....	0.45	0.45	0.01	0.99	0.02					
STROKE.....	1.04	1.01	0.01	1.02	0.01					
HIP FRACTURE.....	0.59	0.55	0.01	1.10	0.02					
SEPSIS.....	0.35	0.37	0.01	0.92	0.02					
PROCEOURES:										
ANGIOPLASTY.....	0.21	0.23	0.01	0.92	0.02					
CORONARY ARTERY BYPASS GRAFT.....	0.34	0.34	0.01	0.99	0.02					
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.00	0.86	0.02					
CAROTIO ENOARTERECTOMY.....	0.11	0.12	0.00	1.00	0.04					
HIP REPLACEMENT/RECONSTRUCTION.....	0.42	0.37	0.01	1.17	0.02					
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.27	0.01	0.99	0.02					
PROSTATECTOMY.....	0.65	0.74	0.01	0.89	0.01					
CHOLECYSTECTOMY.....	0.44	0.45	0.01	0.99	0.02					
HYSTERECTOMY.....	0.16	0.16	0.00	1.01	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

WASHINGTON
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	98,659	9.3	8.6	0.2	13.8	13.0	0.3	17.1	16.6	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	3,391	24.5	25.4	0.9	28.1	28.8	0.9	30.7	32.1	1.0
CONGESTIVE HEART FAILURE.....	4,436	15.6	14.9	0.6	24.2	23.0	0.9	31.7	29.7	1.0
PNEUMONIA/INFLUENZA.....	4,126	14.5	15.2	0.7	21.4	21.0	0.8	26.0	25.5	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,800	12.1	7.5	0.8	17.9	13.2	0.9	23.3	18.1	1.1
TRANSIENT CEREBRAL ISCHEMIA.....	1,031	1.9	1.8	0.4	4.6	4.1	0.7	6.9	6.5	0.8
STROKE.....	3,858	21.2	20.2	0.8	27.5	26.8	0.8	30.9	31.2	0.8
HIP FRACTURE.....	3,064	7.0	6.4	0.7	11.8	11.5	0.6	14.9	15.1	0.7
SEPSIS.....	830	22.8	24.5	1.7	30.6	32.4	2.0	36.5	38.5	2.0
PROCEDURES:										
ANGIOPLASTY.....	918	2.8	3.0	0.6	3.6	3.9	0.7	4.8	5.0	0.7
CORONARY ARTERY BYPASS GRAFT.....	1,605	6.5	5.1	0.8	8.7	7.3	1.0	9.3	8.8	0.7
INITIAL PACEMAKER INSERTION.....	597	2.2	3.1	0.9	4.0	5.8	1.5	6.0	8.4	2.0
CAROTID ENDARTERECTOMY.....	789	1.1	1.4	0.7	1.9	2.6	0.9	3.0	3.8	0.9
HIP REPLACEMENT/RECONSTRUCTION.....	2,741	3.2	2.6	0.6	5.5	5.0	0.7	7.2	6.8	0.7
OPEN REDUCTION OF HIP FRACTURE.....	1,428	6.5	5.9	0.8	10.8	11.1	0.9	13.7	14.6	1.4
PROSTATECTOMY.....	4,645	0.8	0.7	0.2	1.7	1.8	0.2	2.9	3.1	0.3
CHOLECYSTECTOMY.....	2,167	2.5	2.4	0.4	3.8	4.4	0.7	5.2	5.9	0.9
HYSTERECTOMY.....	1,071	0.4	0.7	0.3	0.9	1.5	0.6	1.4	2.2	0.7

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POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 628,765										
	ADMISSION						MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	23.43	26.53	0.06	0.88	0.00		4.38	4.50	0.03	0.97	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.82	0.86	0.01	0.95	0.01						
CONGESTIVE HEART FAILURE.....	1.22	1.55	0.02	0.79	0.01						
PNEUMONIA/INFLUENZA.....	0.97	1.17	0.01	0.83	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.48	0.48	0.01	**	**						
TRANSIENT CEREBRAL ISCHEMIA.....	0.24	0.39	0.01	0.60	0.01						
STROKE.....	0.82	0.86	0.01	0.96	0.01						
HIP FRACTURE.....	0.61	0.59	0.01	1.05	0.02						
SEPSIS.....	0.22	0.32	0.01	0.68	0.02						
PROCEDURES:											
ANGIOPLASTY.....	0.25	0.27	0.01	0.92	0.02						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.37	0.01	1.07	0.02						
INITIAL PACEMAKER INSERTION.....	0.13	0.19	0.01	0.67	0.02						
CAROTID ENDARTERECTOMY.....	0.18	0.13	0.00	1.32	0.05						
HIP REPLACEMENT/RECONSTRUCTION.....	0.52	0.44	0.01	1.20	0.02						
OPEN REDUCTION OF HIP FRACTURE.....	0.28	0.28	0.01	**	**						
PROSTATECTOMY.....	0.88	0.80	0.01	1.11	0.02						
CHOLECYSTECTOMY.....	0.43	0.43	0.01	0.99	0.02						
HYSTERECTOMY.....	0.19	0.17	0.00	1.09	0.03						

** QUANTITIES COULD NOT BE ESTIMATED

WEST VIRGINIA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	65,756	9.1	9.0	0.1	13.8	13.6	0.3	17.0	17.2	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	2,293	26.3	26.6	1.0	30.9	29.9	1.3	33.2	33.3	1.1
CONGESTIVE HEART FAILURE.....	3,411	15.4	15.3	1.0	24.7	23.7	1.2	31.3	30.5	1.3
PNEUMONIA/INFLUENZA.....	3,296	15.0	16.7	1.1	21.4	22.8	1.1	25.0	27.5	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.....	1,293	6.9	6.8	0.8	11.4	12.2	1.3	16.0	17.0	2.0
TRANSIENT CEREBRAL ISCHEMIA.....	1,149	1.9	1.9	0.4	4.7	4.2	0.7	6.6	6.8	0.8
STROKE.....	2,229	22.2	21.0	1.3	28.4	27.6	1.2	32.2	32.0	1.1
HIP FRACTURE.....	1,453	5.8	6.7	0.8	10.0	11.9	1.3	13.0	15.3	1.5
SEPSIS.....	718	22.6	26.5	2.2	29.5	34.2	2.8	33.6	40.1	2.6
PROCEDURES:										
ANGIOPLASTY.....	262	1.9	3.2	2.0	3.1	4.1	2.1	4.2	5.1	2.0
CORONARY ARTERY BYPASS GRAFT.....	507	4.1	5.4	1.5	6.5	7.7	1.4	7.7	9.2	1.4
INITIAL PACEMAKER INSERTION.....	383	3.9	3.9	2.0	7.8	7.2	2.3	11.0	10.2	1.8
CAROTID ENDOARTERECTOMY.....	330	0.0	1.4	1.0	1.2	2.6	1.2	1.8	3.8	1.6
HIP REPLACEMENT/RECONSTRUCTION.....	893	4.1	3.3	0.9	7.2	6.3	1.1	8.7	8.5	1.1
OPEN REDUCTION OF HIP FRACTURE.....	720	4.2	6.0	1.1	7.8	11.2	1.8	10.7	14.6	2.0
PROSTATECTOMY.....	2,016	1.4	1.0	0.4	2.4	2.4	0.8	4.7	4.0	0.8
CHOLECYSTECTOMY.....	1,467	3.1	2.9	0.5	5.2	5.0	0.7	6.7	6.4	0.7
HYSTERECTOMY.....	465	0.6	0.8	0.5	1.5	1.5	0.6	2.4	2.2	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 320,409						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	33.56	30.81	0.10	1.09	0.00		4.79	4.67	0.04	1.02	0.01
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	1.15	1.01	0.02	1.14	0.02						
CONGESTIVE HEART FAILURE.....	2.05	1.82	0.02	1.12	0.01						
PNEUMONIA/INFLUENZA.....	1.61	1.54	0.02	1.05	0.01						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.78	0.68	0.02	1.13	0.03						
TRANSIENT CEREBRAL ISCHEMIA.....	0.53	0.48	0.01	1.09	0.03						
STROKE.....	1.02	0.96	0.02	1.05	0.02						
HIP FRACTURE.....	0.60	0.58	0.01	1.03	0.03						
SEPSIS.....	0.35	0.33	0.01	1.06	0.04						
PROCEDURES:											
ANGIOPLASTY.....	0.24	0.24	0.01	1.02	0.04						
CORONARY ARTERY BYPASS GRAFT.....	0.36	0.36	0.01	1.02	0.03						
INITIAL PACEMAKER INSERTION.....	0.19	0.19	0.01	1.02	0.05						
CAROTID ENDOARTERECTOMY.....	0.15	0.13	0.01	1.14	0.07						
HIP REPLACEMENT/RECONSTRUCTION.....	0.38	0.41	0.01	0.93	0.03						
OPEN REDUCTION OF HIP FRACTURE.....	0.29	0.28	0.01	1.00	0.04						
PROSTATECTOMY.....	0.83	0.75	0.01	1.09	0.02						
CHOLECYSTECTOMY.....	0.59	0.53	0.01	1.11	0.03						
HYSTERECTOMY.....	0.18	0.18	0.01	0.98	0.05						

** QUANTITIES COULD NOT BE ESTIMATED

WISCONSIN
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	139,189	8.6	8.6	0.1	12.9	13.1	0.2	16.1	16.7	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	4,361	28.0	27.9	0.7	31.9	31.4	1.1	34.9	35.0	0.7
CONGESTIVE HEART FAILURE.....	7,002	14.7	15.1	0.6	23.4	23.4	0.9	30.0	30.2	0.9
PNEUMONIA/INFLUENZA.....	5,515	15.7	16.9	0.7	22.0	23.0	0.8	25.9	27.8	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	1,478	7.8	7.8	0.8	13.2	13.5	1.5	17.9	18.5	1.3
TRANSIENT CEREBRAL ISCHEMIA.....	1,909	1.8	2.0	0.3	4.3	4.4	0.6	6.4	7.0	1.1
STROKE.....	5,135	21.1	20.9	0.6	27.4	27.6	0.7	31.1	32.1	0.7
HIP FRACTURE.....	3,664	6.9	6.8	0.4	11.0	12.1	0.7	14.3	15.7	0.8
SEPSIS.....	1,509	22.9	26.3	1.3	30.6	34.4	2.1	35.3	40.7	1.7
PROCEDURES:										
ANGIOPLASTY.....	1,326	2.6	2.8	0.6	3.4	3.7	0.6	4.5	4.8	0.6
CORONARY ARTERY BYPASS GRAFT.....	1,871	6.9	5.9	1.2	9.7	8.5	1.1	11.2	10.0	1.0
INITIAL PACEMAKER INSERTION.....	831	3.4	3.8	1.0	5.7	7.2	1.6	8.4	10.3	2.1
CAROTID ENDOARTERECTOMY.....	563	1.4	1.5	0.7	2.7	2.7	0.7	3.7	4.0	0.9
HIP REPLACEMENT/RECONSTRUCTION.....	3,117	3.0	2.9	0.4	5.2	5.5	0.5	6.4	7.4	0.7
OPEN REDUCTION OF HIP FRACTURE.....	1,598	6.4	6.3	0.6	10.6	11.7	1.0	14.3	15.3	1.1
PROSTATECTOMY.....	5,023	1.0	0.9	0.1	2.2	2.3	0.2	3.5	3.8	0.4
CHOLECYSTECTOMY.....	2,857	2.7	2.9	0.4	4.3	5.2	0.6	6.0	6.9	0.6
HYSTERECTOMY.....	1,228	1.1	0.8	0.5	2.1	1.7	0.6	2.8	2.5	0.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 706,264									
	ADMISSION					MORTALITY				
	OBS,%	PRED,%	SD,%	REL	SE	OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	28.47	27.48	0.06	1.04	0.00	4.62	4.74	0.03	0.98	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	0.92	0.89	0.01	1.03	0.01					
CONGESTIVE HEART FAILURE.....	1.67	1.64	0.01	1.02	0.01					
PNEUMONIA/INFLUENZA.....	1.10	1.27	0.01	0.87	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.36	0.48	0.01	0.77	0.01					
TRANSIENT CEREBRAL ISCHEMIA.....	0.36	0.39	0.01	0.93	0.02					
STROKE.....	0.96	0.89	0.01	1.07	0.01					
HIP FRACTURE.....	0.63	0.63	0.01	0.99	0.01					
SEPSIS.....	0.32	0.32	0.01	**	**					
PROCEDURES:										
ANGIOPLASTY.....	0.30	0.24	0.01	1.32	0.03					
CORONARY ARTERY BYPASS GRAFT.....	0.38	0.35	0.01	1.10	0.02					
INITIAL PACEMAKER INSERTION.....	0.17	0.19	0.00	0.93	0.03					
CAROTID ENDOARTERECTOMY.....	0.11	0.12	0.00	1.03	0.04					
HIP REPLACEMENT/RECONSTRUCTION.....	0.53	0.45	0.01	1.17	0.02					
OPEN REDUCTION OF HIP FRACTURE.....	0.27	0.30	0.01	0.91	0.02					
PROSTATECTOMY.....	0.86	0.77	0.01	1.11	0.01					
CHOLECYSTECTOMY.....	0.49	0.44	0.01	1.12	0.02					
HYSTERECTOMY.....	0.20	0.17	0.00	1.18	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

WYOMING
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES.....	9,429	8.5	7.8	0.3	12.6	12.0	0.4	15.8	15.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.....	280	25.4	26.7	3.0	28.2	29.8	3.5	31.1	33.2	3.8
CONGESTIVE HEART FAILURE.....	370	12.7	14.0	2.2	22.2	22.1	2.2	28.6	28.8	2.4
PNEUMONIA/INFLUENZA.....	526	15.2	14.5	1.6	19.2	19.9	1.8	24.3	24.4	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	233	6.0	7.8	2.5	12.4	13.4	3.8	17.6	18.2	2.9
TRANSIENT CEREBRAL ISCHEMIA.....	145	2.1	1.8	2.4	6.2	4.2	2.6	9.0	6.9	3.2
STROKE.....	227	22.5	19.1	5.1	29.5	25.5	6.3	33.9	29.9	7.1
HIP FRACTURE.....	229	9.6	6.6	2.6	13.1	12.1	2.4	17.5	15.9	2.6
SEPSIS.....	78	25.6	23.6	5.6	32.1	31.2	5.3	33.3	37.3	6.0
PROCEDURES:										
ANGIOPLASTY.....	40	5.0	3.1	*	7.5	4.3	*	7.5	5.4	*
CORONARY ARTERY BYPASS GRAFT.....	76	7.9	5.6	3.6	13.2	7.8	5.1	13.2	9.0	5.4
INITIAL PACEMAKER INSERTION.....	30	3.3	3.7	*	13.3	7.2	*	13.3	10.4	*
CAROTID ENDARTERECTOMY.....	29	3.4	1.2	*	3.4	2.3	*	3.4	3.4	*
HIP REPLACEMENT/RECONSTRUCTION.....	162	2.5	2.9	1.8	3.7	5.5	2.6	6.2	7.4	3.1
OPEN REDUCTION OF HIP FRACTURE.....	119	10.1	5.9	3.5	12.6	11.3	3.7	17.6	15.0	3.7
PROSTATECTOMY.....	241	0.4	0.8	0.9	1.7	2.0	1.7	5.0	3.5	2.4
CHOLECYSTECTOMY.....	207	2.9	2.2	1.5	3.9	3.9	1.6	5.3	5.1	1.5
HYSTERECTOMY.....	57	1.8	0.7	1.4	1.8	1.4	2.7	5.3	2.2	4.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

CATEGORY	NUMBER ELIGIBLE: 52,529						MORTALITY				
	ADMISSION										
	OBS,%	PRED,%	SD,%	REL	SE		OBS,%	PRED,%	SD,%	REL	SE
ALL CAUSES.....	32.25	26.35	0.22	1.22	0.01		4.52	4.47	0.09	1.01	0.02
CONDITIONS:											
ACUTE MYOCARDIAL INFARCTION.....	0.98	0.87	0.04	1.13	0.06						
CONGESTIVE HEART FAILURE.....	1.43	1.51	0.05	0.95	0.03						
PNEUMONIA/INFLUENZA.....	1.63	1.19	0.05	1.39	0.06						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE.....	0.78	0.46	0.03	1.67	0.11						
TRANSIENT CEREBRAL ISCHEMIA.....	0.42	0.39	0.03	1.11	0.08						
STROKE.....	0.70	0.84	0.04	0.86	0.04						
HIP FRACTURE.....	0.63	0.58	0.03	1.05	0.06						
SEPSIS.....	0.26	0.30	0.02	0.92	0.08						
PROCEDURES:											
ANGIOPLASTY.....	0.28	0.25	0.02	1.10	0.11						
CORONARY ARTERY BYPASS GRAFT.....	0.40	0.38	0.03	1.05	0.08						
INITIAL PACEMAKER INSERTION.....	0.15	0.19	0.02	0.80	0.10						
CAROTID ENDARTERECTOMY.....	0.14	0.12	0.02	1.27	0.20						
HIP REPLACEMENT/RECONSTRUCTION.....	0.57	0.44	0.03	1.27	0.09						
OPEN REDUCTION OF HIP FRACTURE.....	0.30	0.28	0.02	1.14	0.11						
PROSTATECTOMY.....	0.81	0.82	0.04	0.99	0.05						
CHOLECYSTECTOMY.....	0.59	0.44	0.03	1.39	0.10						
HYSTERECTOMY.....	0.17	0.17	0.02	1.21	0.15						

** QUANTITIES COULD NOT BE ESTIMATED

APPENDIX I

INTRODUCTION

TO VOLUMES 1 - 24

OF THE

**MEDICARE
HOSPITAL MORTALITY
INFORMATION**

INTRODUCTION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information. This year's publication presents information for Federal fiscal years (FYs) 1987, 1988 and 1989. (A Federal fiscal year is October 1 through September 30; e.g., FY 1989 covers the period October 1, 1988 through September 30, 1989.) The information for 1987 and 1988 will be different from that published previously both because it is based on a fiscal, not calendar, year, and because the methodology for this year's analysis uses a random hospital stay rather than the last stay in the year as did previous analyses.

Description of Mortality Information

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the three prior years. Only one hospitalization for every patient was used. However, in this year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay to be analyzed was selected at random. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients. The event evaluated was death at any time within 180 days of admission to the hospital. With this approach, information about the early and later results of the hospitalization are provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term impacts. The choice of 180 days allows substantial followup consistent with timely reporting of HCFA data. Additionally, the decision to report the longer followup data necessitated the change from calendar to fiscal year analysis, since it provides at least 182 days followup while allowing us to report on quite recent hospitalizations. Another benefit of using a fiscal rather than a calendar year for analysis is that our files are maintained on a fiscal year basis and new Medicare rules are often instituted on a fiscal year basis.

For each hospital, information is presented for overall Medicare patient mortality and for each of 17 specific diagnostic or medical procedure categories. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate. A rule of thumb for using the SD to assess a hospital's performance appears later in this Introduction.

Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey Certification and Reporting System (OSCAR) file. These hospital characteristics are found at the bottom of each hospital's first summary data page. It is important to note that these characteristics are provided for information only. They were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates. In the publication, we have arranged the States by HCFA regions. A hospital's summary data pages and any comments received are arranged alphabetically by hospital name in each State section. A complete listing of States by region and volume can be found in Table 1.

Before reviewing a hospital summary table, it would be helpful to describe how the numbers were derived and what they mean.

Number of Cases. This figure is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases selected for each hospital is presented under the category "All Causes." The eight condition and nine procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight condition categories, that same patient may also appear in one or more of the nine categories defined by a surgical procedure. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight condition categories. The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories cover less than half of all the hospitalized patients. (ICD-9-CM codes included in each condition and procedure category appear in Table 2.). These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; **they do not necessarily represent the cause of death.** HCFA does not have access to cause of death information.

Observed Mortality Rate (OBS). This number is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90 or 180 days of the selected admission to the hospital. The percentage is rounded to the nearest one-tenth of a percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90 or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent. It is important to note that the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission. The observed mortality rate represents the percentage of beneficiaries in a particular category who died during the selected time interval. As noted above, it does **not** represent the percentage whose death was caused by the particular condition or procedure.

Predicted Mortality Rate (PRED). This column gives a predicted mortality rate for patients included in the analysis for each hospital. The rate is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: principal diagnosis (grouped into 17 analytical risk categories), age, sex, previous hospital admissions within the prior six months, admission source (e.g., physician reference, skilled nursing facility reference), admission type (e.g., elective or emergency), and the presence of up to four comorbid conditions--cancer, chronic cardiovascular disease, chronic renal disease, and chronic liver disease. For a list of the ICD-9-CM codes defining the comorbid conditions see Table 3. Two additional adjustments for patient risks were carried out. First, account was taken of the effect of the specific reason for admission--the principal diagnosis within each analytic category--on the probability of patient death. Second, the additional information carried by the grouping of patients into clinically informative categories was also used. This last adjustment proved particularly important in the case of the surgical categories, because the performance of a surgical procedure has substantial implications about the severity of illness.

Standard Deviation (SD). The standard deviation is a guide to how meaningful the difference between the observed and predicted mortality rate is. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience.

As a rule of thumb, if the difference is 1.2 times the SD, chances are 3 out of 4 that the difference is due to statistical variability observed nationally. If the difference is greater than 1.6 times the SD, there is only 1 chance in 10 that the difference is due to statistical variability; if the difference is more than 2.0 times the SD, there is only 1 chance in 20 that the difference is due to statistical variability; and if the difference is more than 2.6 times the SD, there is only 1 chance in 100 that the difference can be attributed to statistical variability rather than actual variation from what would be expected. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for concern may exist about the institution's performance. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, an asterisk (*) is placed in the SD column.

Information Sources and Notes

This publication is based primarily on Medicare hospital billing information for fiscal years 1987, 1988 and 1989. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1990 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year) 98 percent of all Medicare discharges in FY 1989 are included in the file.

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results for national estimates. It may, however, substantially affect an individual hospital if it was the source of the suspect information.

Nevertheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is reviewed.

The information used is billing data and is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.

The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities; all have a zero in the third position of their Medicare provider number. All other hospitals--those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions--were automatically excluded from the analysis. This year, as last, we also excluded hospices from the publication.

In some cases, we have included data for hospitals which closed, changed ownership, or changed management either during or subsequent to FY 1989. Nevertheless, data which are included for those institutions reflect the situation as it existed at the time the hospitalizations analyzed occurred.

There is some information in the MEDPAR file which does not reflect immediately the results of review by the Peer Review Organizations (PROs). For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that, in some instances, PRO changes in diagnosis assignment may not be submitted and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, this type of change could have an effect on the calculation of mortality rates in individual categories and may also have a bearing on comorbidities.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted. It is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this publication may not be a direct measure of the quality of care rendered in the hospitals. One reason for this is that we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex and several other factors. This might happen because one hospital's stroke patients consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population represents a

broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that this information is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including hospital administrators, physicians, and researchers. Among these audiences, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. For example, we know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are trying to determine what useful information can be derived about their hospitals and how they function. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed.

We believe that when this information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post-admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care and is best used to view experience in individual hospitals rather than for making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because of its patient mix. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We offered each hospital the opportunity to comment on the information contained in this volume, and we included in this publication those comments which were received by January 15, 1991. Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. More specifically, in June 1990 we presented the major changes--use of fiscal year data, use of random rather than last admission for analysis, use of the standard deviation rather than ranges, presentation of mortality rates at three time intervals--to these experts. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rate significantly exceeds the rate that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information publications. Many suggestions from these sources have been incorporated into this publication.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies very rarely impacted on a hospital's overall mortality rate. Most of these instances fell into the following three broad categories.

Inaccurate Date of Death. We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was "expired" when the patient had, in fact, left the hospital alive) created many of these errors. We have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.

Data Posting Delays. In some instances, delays in posting data to the MEDPAR file created difficulties in prior years' analyses. However, because of the use of a fiscal, rather than calendar, year and of a random, rather than last, admission for analysis, this problem has largely been eliminated.

Discrepant Case Counts. Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this publication.

On December 6, 1990, we mailed mortality information to each hospital on its Medicare patients and asked for comments by January 15, 1991. Each hospital received the summary data information (as published here), as well as a list of all Medicare patients whose stay in that hospital in FY 1989 was selected for the analysis. The comments we received are generally reproduced as submitted by the hospital. However, in instances where hospitals returned an annotated copy of the HCFA information sent on December 6, we did not publish that annotated material, even in cases where these were the only comments submitted by the hospital. We took this action because of patient privacy concerns and/or because it would have duplicated information already provided on the hospital's summary data sheet. However, we have published a standard statement to identify instances where we received this type of response. Additionally, in cases where the hospital's response exceeded the two-page limit, which was specified in our communication of December 6, we have published only the first two pages of the material received. No attempt has been made to edit or condense the response provided by the hospital.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner in order to allow every opportunity for review and comment. Even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances are few in number.

Table 1
STATES BY REGION AND VOLUME

REGION		VOLUME	STATE
I	Boston	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
		2	New Jersey, Puerto Rico, Virgin Islands
II	New York	3	New York
		4	Delaware, District of Columbia, Maryland, Virginia, West Virginia
III	Philadelphia	5	Pennsylvania
		6	Alabama, Georgia
IV	Atlanta	7	Florida
		8	Kentucky, Mississippi, South Carolina
V	Chicago	9	North Carolina, Tennessee
		10	Illinois
		11	Indiana, Michigan
		12	Minnesota, Wisconsin
		13	Ohio

VI	Dallas	14	Arkansas, Oklahoma
		15	Louisiana, New Mexico
		16	Texas (A - L)
		17	Texas (M - Z)
VII	Kansas City	18	Iowa, Kansas
		19	Missouri, Nebraska
VIII	Denver	20	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
IX	San Francisco	21	Arizona, Hawaii, Nevada American Samoa, Guam
		22	California (A - L)
		23	California (M - Z)
X	Seattle	24	Alaska, Idaho, Oregon, Washington

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	Technical Supplement	25	
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Table 2

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation:

CONDITION/PROCEDURE	ICD-9-CM CODES (D) = DIAGNOSTIC CODE (P) = PROCEDURE CODE
Heart Disorders/Procedures:	
Acute Myocardial Infarction	410 (D) (exclude 410 with 5th digit of 2 after 10/1/89)
Congestive Heart Failure	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty	36.0 excluding 36.00, 36.03, 36.04, 36.09 (all P)
Coronary Artery Bypass Graft	36.1 (P)
Pacemaker Insertion, Initial	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70—37.73) (all P)
Pulmonary Disorders:	
Pneumonia/Influenza	480-481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary Disease	491-492; 494; 496; and 466.0, 518.5, 518.82, and 786.09 when there is a secondary diagnosis of any 496 (all D)
Cerebrovascular Disorders/Procedures:	
Transient Cerebral Ischemia	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy, 38.12 (P) at the time of admission
Stroke	431, 434-434.9, 436 (all D)
Carotid Endarterectomy	38.12 (P) with 433.1 (D), 433.3 (D), or 435 (D) as principal diagnosis

Musculoskeletal Disorders/Procedures:

Fracture of Neck of Femur	820 (D)
Hip Replacement/Revision	81.5, 81.6 (exclude 81.69) (81.51—81.53 after 10/1/89) (all P)
Open Reduction of Fractured Femur	79.35 (P) on condition of 820 (D) as principal diagnosis

Genitourinary Procedures:

Prostatectomy	60.2, 60.3-60.69 (all P)
Hysterectomy	68.3-68.7 (P)

Gastrointestinal Procedures:

Cholecystectomy	51.22 (P)
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Sepsis:

Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038, 054.5 (all D)
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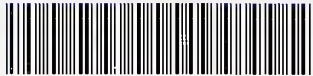
Table 3
COMORBIDITY CONDITIONS
(all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587
Chronic cardiovascular disease	412-414.9, 426-429.1





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